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ERCB ST 94-18



CANADIANA

**Alberta's Reserves of
crude oil, oil sands, gas,
natural gas liquids and sulphur**

MAY 31 1994



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IMPORTANT SURVEY



ERCB 94-18 USER SURVEY:

Alberta's Reserves of
crude oil, oil sands, gas,
natural gas liquids and sulphur

Return to:

Energy Resources Conservation Board
640-5 Avenue SW, Calgary AB T2P 3G4
Attention: Lorne Samson
Fax: 297-3188

From:

Name: _____

Organization: _____

Phone: _____

Dear Reader:

The ERCB is currently in the process of reviewing many of its activities in an effort to streamline operations. A key part of this review is examining the value of services and publications offered by the ERCB including the Annual Reserves report.

For 33 years, the ERCB has been publishing an annual reserves report in accordance with its legislated mandate to provide for the appraisal of the reserves of crude oil, oil sands, gas, natural gas liquids and sulphur in Alberta. Due to budget constraints, we are prioritizing and scrutinizing all of our activities, including publication services, to see which are the most effective and useful to our customers. Your response will help us determine whether there is potential to discontinue or otherwise modify the frequency, content or format of this document. Information received may also assist in reviewing the need for the ERCB to continue its historic role in the assessment of reserves for oil, gas, gas co-products and oil sands.

Please have the survey completed by individuals who reference this report and fax or return it to the above address. If there are multiple users in your organization, feel free to send in multiple responses.

1. Do you utilize ERCB pool based reserves information in the course of your company's work?

☐

Yes

☐

No

If not, why not?

Comments: _____

2(a). What other sources of pool based reserves data do you utilize?

(b). Could those sources replace the ERCB sources?

3. How often does your organization purchase the Annual Reserves Report?

☐ annually ☐ every two years ☐ every five years ☐ other _____

4. How useful do you find this publication?

☐ not useful ☐ very useful
☐ useful ☐ extremely useful

Comments: _____

5. Do you access ERCB reserve data in other formats, eg. tape files, microfiche?

Comments: _____

6. How would the cancellation of the report impact on your work?

☐ none ☐ moderately
☐ minimal ☐ significantly

Comments: _____

7. Would the publishing of a report highlighting only changes to annual cumulative provincial data be an acceptable alternative?

Comments: _____

8. The current cost of purchasing the Annual Reserves report is \$250.00. What is your view of the cost?

- ☐ too high
☐ reasonable
☐ good value for the price

Comments: _____

9. Should the cost of producing the report be based on:

- ☐ the incremental cost of producing the report beyond the basic cost of evaluating the total reserves? (Basis of present price of the report)
☐ the total cost involved in producing the data?
☐ other?

Comments: _____

10. How often should the report be published (present format)?

- ☐ every year ☐ every two years
☐ every five years ☐ not at all

Comments: _____

11. What are your suggestions for improving the report?



Alberta's Reserves of crude oil, oil sands, gas, natural gas liquids and sulphur

December 1993

**ENERGY RESOURCES CONSERVATION BOARD
RESERVE REPORT SERIES ERCB-18**

Related reserve reports and maps:

- | | |
|----------|---|
| ST 94-31 | Reserves of Coal, Province of Alberta |
| ST 94-35 | Alberta's Reserves of Gas, Complete Listing |
| 94-40 | Energy Alberta 1993 |
| ST 91-38 | Atlas of Alberta's Crude Bitumen Reserves |
| 81-E | Alberta's Hydroelectric Energy Resources |
| 94-B | Alberta Oil Supply, 1994-2005 |

ISSN 0706-3199

Thirty-third edition

Published by

Energy Resources Conservation Board
640 - 5 Avenue S.W.
Calgary, Alberta
T2P 3G4

Telephone (403) 297-8311

Fax (403) 297-3188

HIGHLIGHTS

RESERVES	1993	1992	Change
Conventional crude oil			
Initial established (10^6 m^3)	2 331.9	2 292.7	+ 39.2
Remaining established (10^6 m^3)	426.8	442.0	- 15.2
Crude bitumen (developed surface-mineable projects)			
Initial established (10^6 m^3)	644.0	644.0	-
Remaining established (10^6 m^3)	417.0	434.0	- 17.0
Crude bitumen (developed in situ projects)			
Initial established (10^6 m^3)	107.1	107.1	-
Remaining established (10^6 m^3)	40.6	48.2	- 7.6
Natural gas ^a			
Initial established			
Volume (10^9 m^3)	3 475.5	3 416.9	+ 58.6
Energy (10^{18} J)	133.51	131.41	+ 2.10
Remaining established			
Volume (10^9 m^3)	1 534.9	1 594.7	- 59.8
Energy (10^{18} J)	58.9	61.2	- 2.3
PRODUCTION			
Conventional crude oil (10^6 m^3)	54.4	53.6	+ 0.8
Crude bitumen (surface-mineable) (10^6 m^3)	17.0	17.0	-
Crude bitumen (in situ) (10^6 m^3)	7.6	6.8	+ 0.8
Natural gas ^b			
Volumes (10^9 m^3)	118.4	104.0	+ 14.4

a Volumes are on an actual heating value basis.

b The official net production of natural gas is reported in ERCB ST 94-17 (see Chapter 4, Section 4.7 of this report).

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PREFACE

This is the principal report of the Energy Resources Conservation Board on Alberta's reserves of conventional crude oil, bitumen, synthetic crude oil, gas, natural gas liquids, and sulphur; it includes estimates of initial and remaining established reserves and ultimate potential. It is updated annually from the Board's records, and this edition reflects changes that have occurred to the end of 1993.

The information in Tables 2-6 and 4-5 and more detailed information on the reserves of gas pools is available on magnetic and cartridge tape. The gas reserve details are also available on COM-microfiche (ERCB ST 94-35). To obtain copies of the magnetic tapes, cartridge tapes or ERCB ST 94-35 contact the ERCB's Information Services, main floor, Energy Resources Building (297-8190).

General enquiries respecting this report should be directed to L. A. Samson. Enquiries respecting specific sections should be directed as follows:

Chapter	Coordinators, Department
1, 4, 8, and 9	L. A. Samson, Gas 297-8493
2	A. Burrowes, Oil 297-8566
3	W. A. Mayer, Oil Sands 297-2883
5, 6, and 7	S. H. Smith, Gas 297-4287

The Board gratefully acknowledges the work of these staff members and many others in preparing this report.



G GRAPHICS

The colour graphics section included with this annual reserves report provides a graphical presentation of some of the Oil and Gas statistical data as well as an additional breakdown of associated data in this and previous reports.

G1 LIGHT-MEDIUM CRUDE OIL Reserve Additions and Reassessments

G2 HEAVY CRUDE OIL Reserve Additions and Reassessments

G3 TOTAL CONVENTIONAL CRUDE OIL Reserve Additions and Reassessments

This graph is a further breakdown of the additions and reassessments changes to the initial established oil reserves as described in Section 2 of this report.

G4 TOTAL CONVENTIONAL CRUDE OIL Changes to Enhanced Recovery Schemes

This graph is a further breakdown of the changes to the initial established reserves of enhanced recovery schemes described in Section 2 of this report.

G5 RESERVES OF CONVENTIONAL CRUDE OIL ATTRIBUTABLE TO VARIOUS RECOVERY MECHANISMS AND THEIR RECOVERY FACTORS

This is a graphical presentation of data found in Table 2-3, columns 2, 3, 4, and 9.

G6 GEOLOGICAL DISTRIBUTION OF RESERVES OF CONVENTIONAL CRUDE OIL

This is a graphical presentation of Table 2-5, columns 2 and 3.

G7 GEOLOGICAL DISTRIBUTION OF RESERVES OF MARKETABLE GAS

This is a graphical presentation of Table 4-3, column 2 and the remainder of column 2 minus column 3.

G8 ADDITIONS TO ESTABLISHED RESERVES OF CONVENTIONAL CRUDE OIL AND REPLACEMENT RATIO

This is a graphical presentation of Table 8-1, columns 4 and 6 and the quotient of column 4 divided by column 6 (replacement ratio). Where the replacement ratio is less than 1 (dotted line), the production exceeded the net addition to reserves for that year.

G9 REMAINING ESTABLISHED RESERVES OF CONVENTIONAL CRUDE OIL AND RESERVES/PRODUCTION RATIO

This is a graphical presentation of Table 8-1, columns 8 and 6 and the quotient of column 8 divided by column 6 (reserves/production ratio).

G10 ADDITIONS TO ESTABLISHED RESERVES OF MARKETABLE GAS AND REPLACEMENT RATIO

This is a graphical presentation of Table 8-2, columns 3 and 5 and the quotient of column 3 divided by column 5 (replacement ratio). Where the replacement ratio is less than 1 (dotted line), the production exceeded the net addition to reserves for that year.

G11 REMAINING ESTABLISHED RESERVES OF MARKETABLE GAS AND RESERVES/PRODUCTION RATIO

This is a graphical presentation of Table 8-2, columns 7 and 5 and the quotient of column 7 divided by column 5 (reserves/production ratio).

G12 OIL AND GAS DEVELOPMENT WELLS

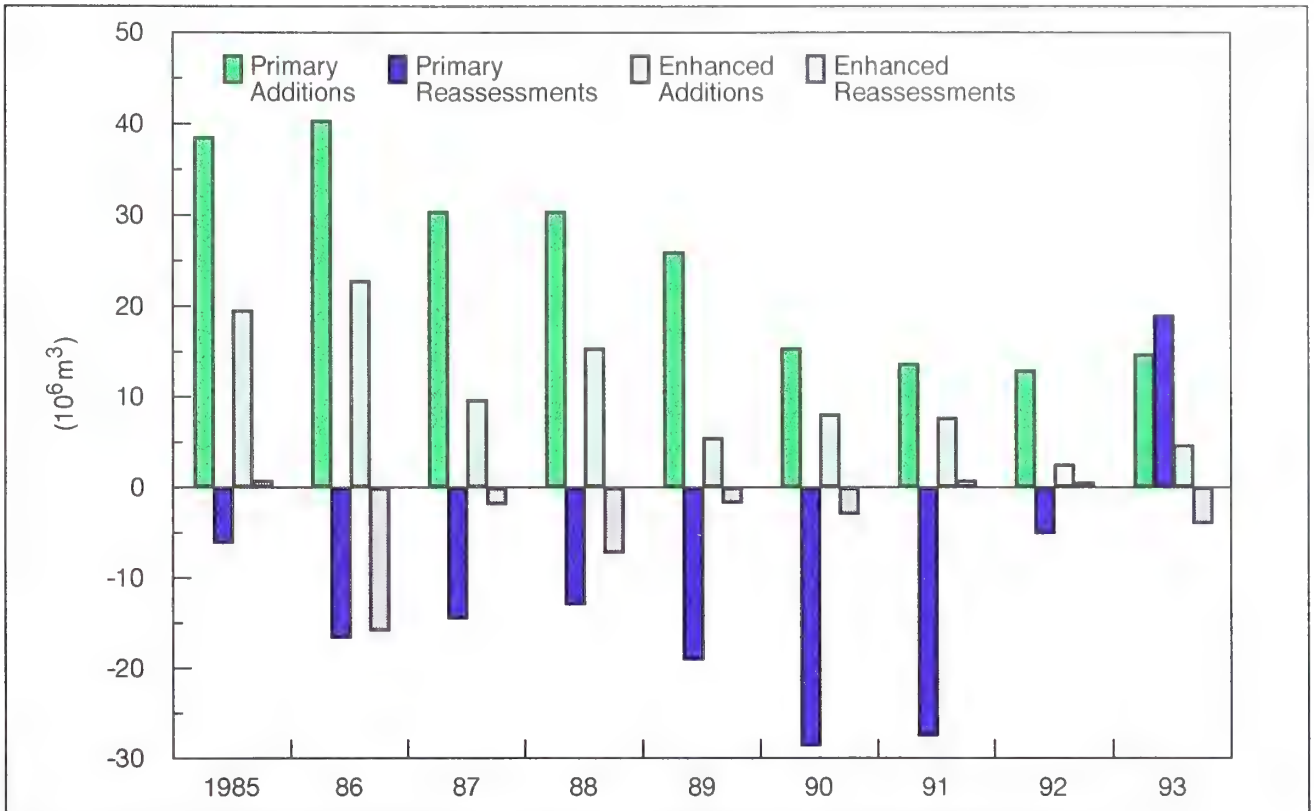
This is a graphical presentation of Table A-1, columns 1 and 4 and the quotient of Table A-2, column 1 divided by Table A-1, column 1; and Table A-2, column 4 divided by Table A-1, column 4.

G13 OIL AND GAS EXPLORATORY WELLS

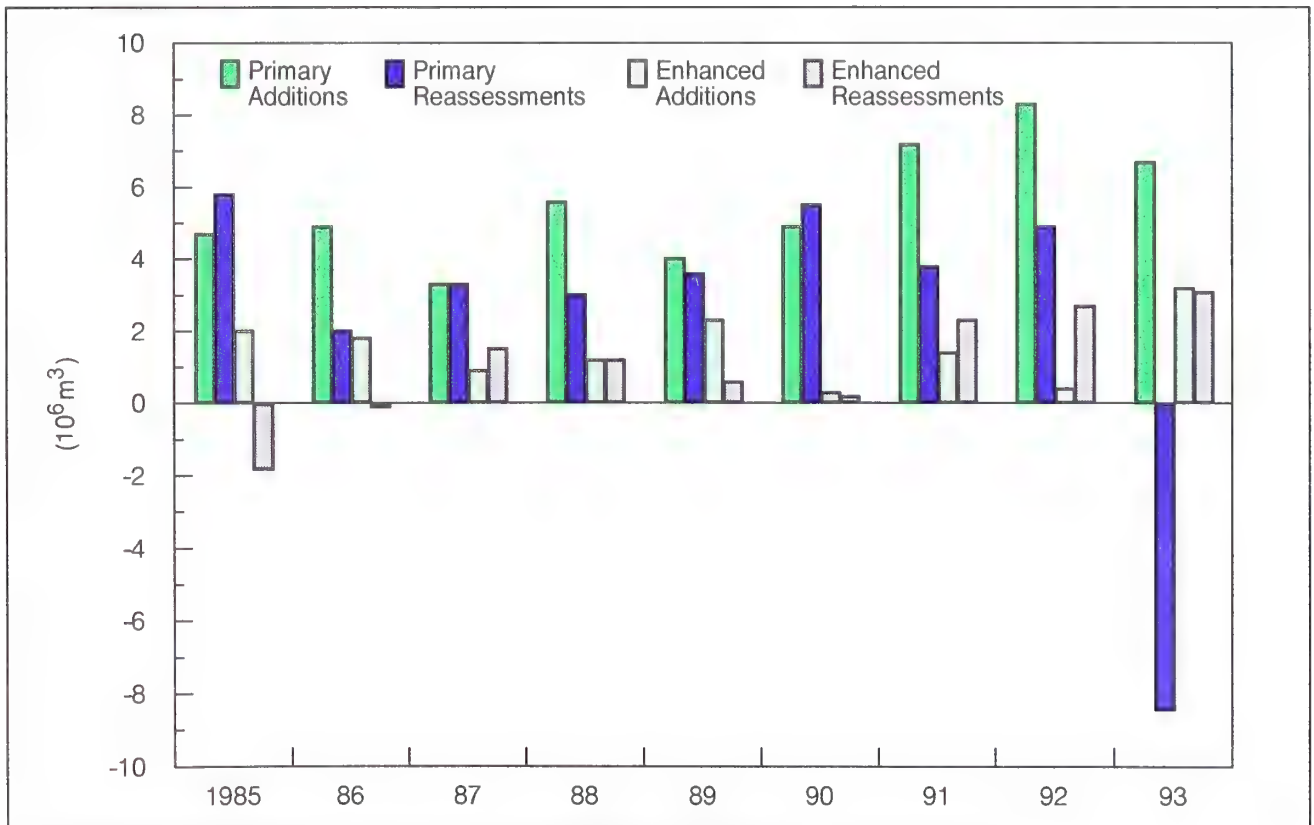
This is a graphical presentation of Table A-1, columns 6 and 8 and the quotient of Table A-2, column 6 divided by Table A-1, column 6; and Table A-2, column 8 divided by Table A-1, column 8.

G14 TOTAL DEVELOPMENT AND EXPLORATORY WELLS

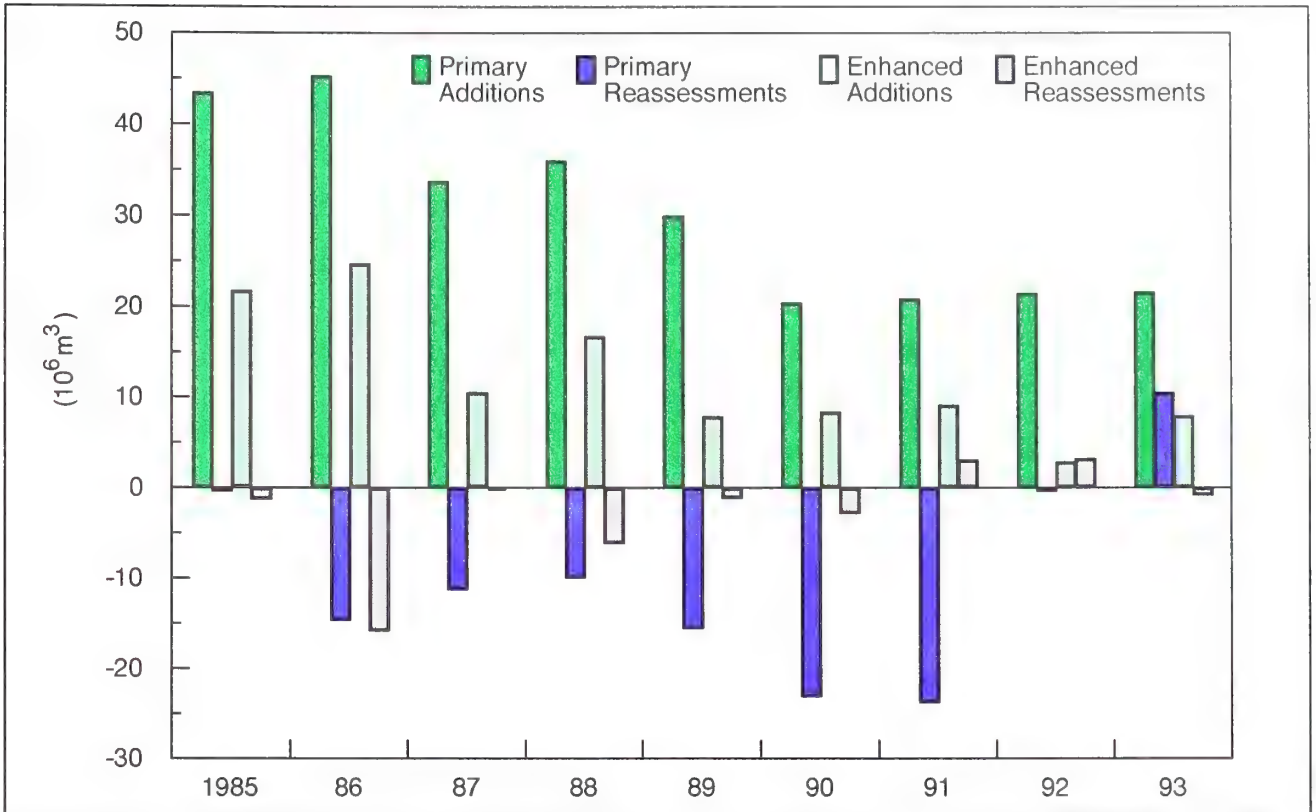
This is a graphical presentation of Table A-1, columns 5 and 9 and the quotient of Table A-2, column 5 divided by Table A-1, column 5; and Table A-2, column 9 divided by Table A-1, column 9.



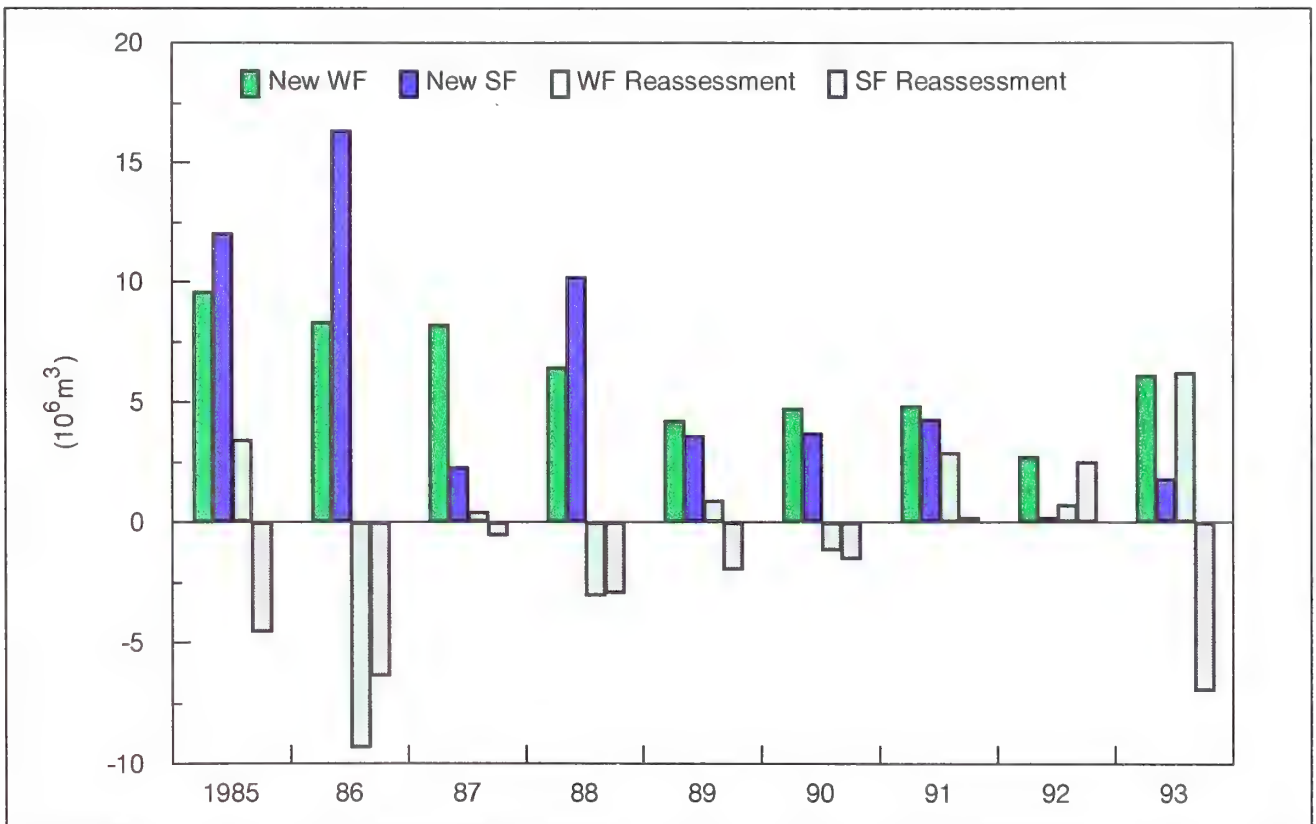
G1 LIGHT - MEDIUM CRUDE OIL. Reserve Additions and Reassessments.



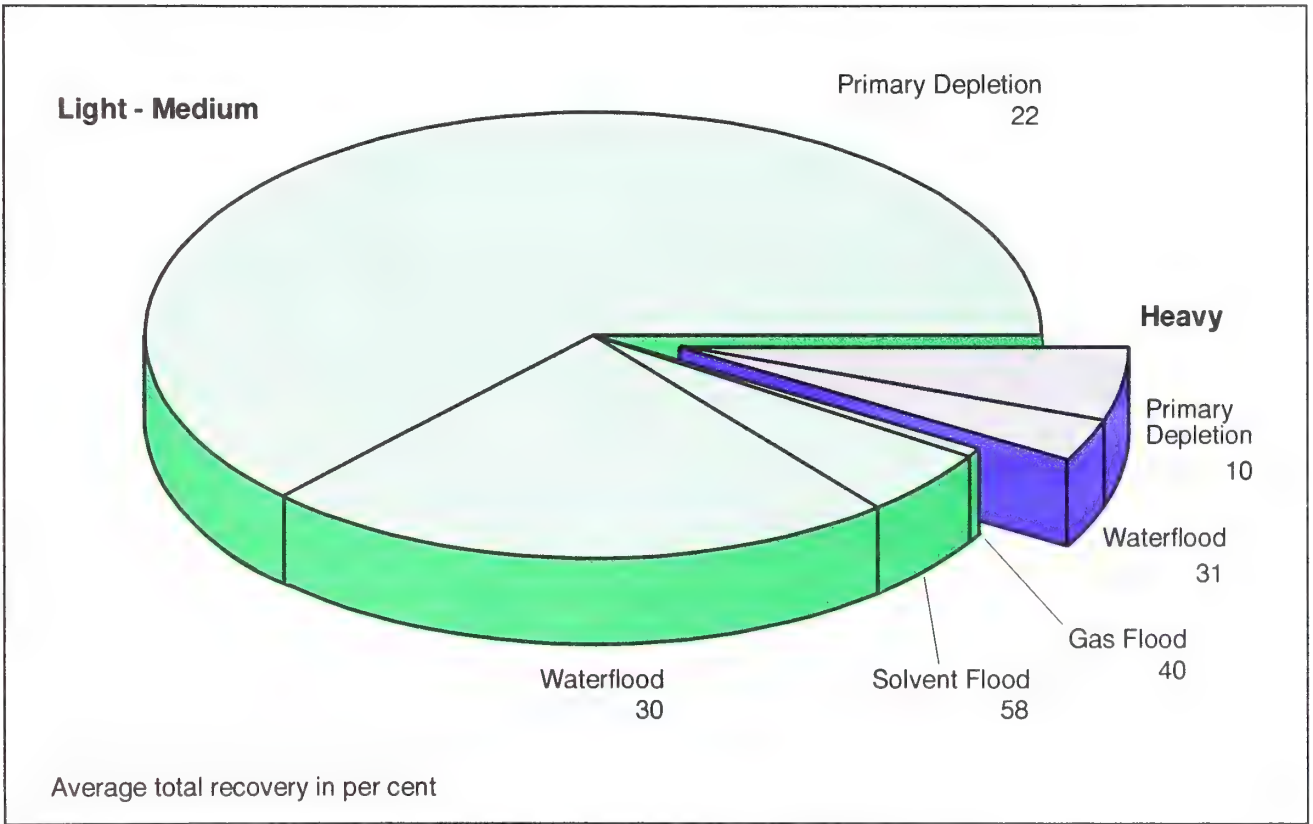
G2 HEAVY CRUDE OIL. Reserve Additions and Reassessments.



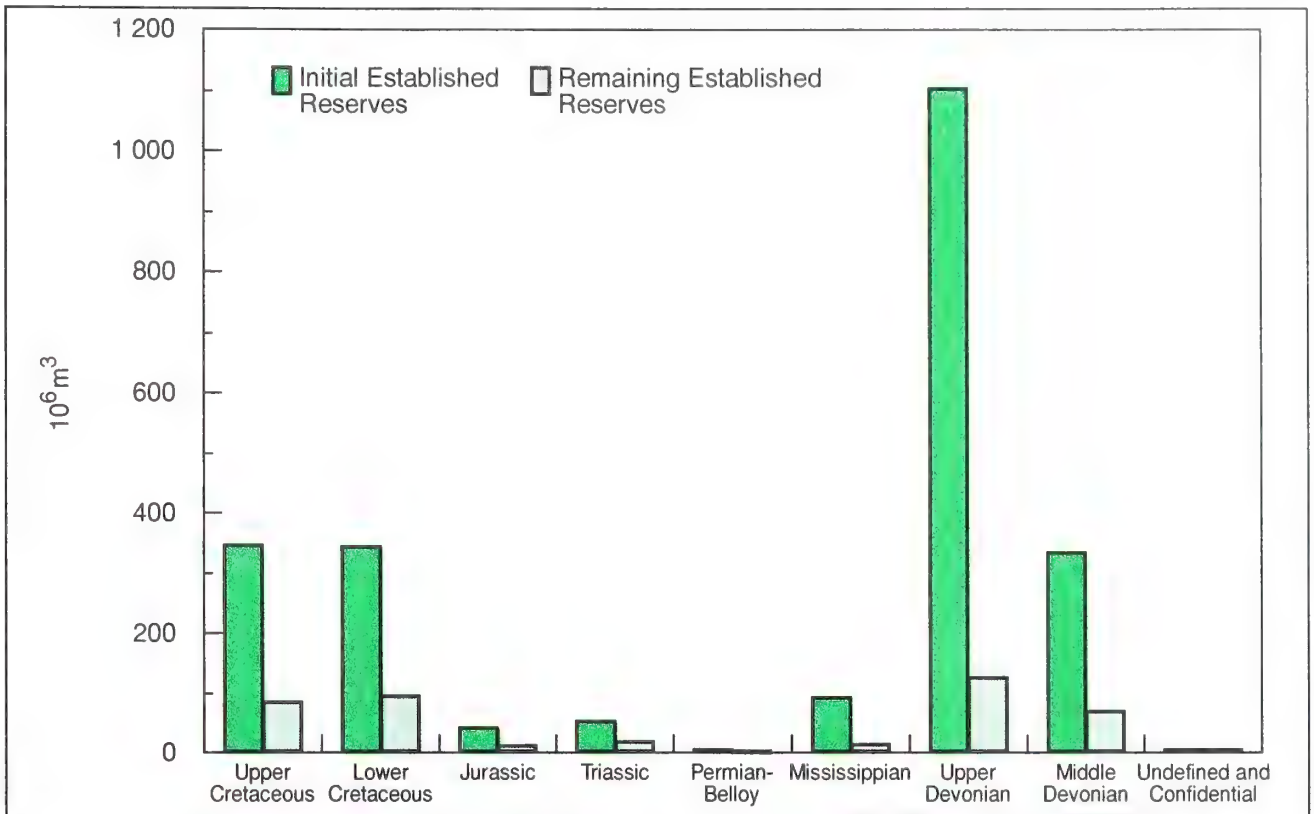
G3 TOTAL CONVENTIONAL CRUDE OIL. Reserve Additions and Reassessments.



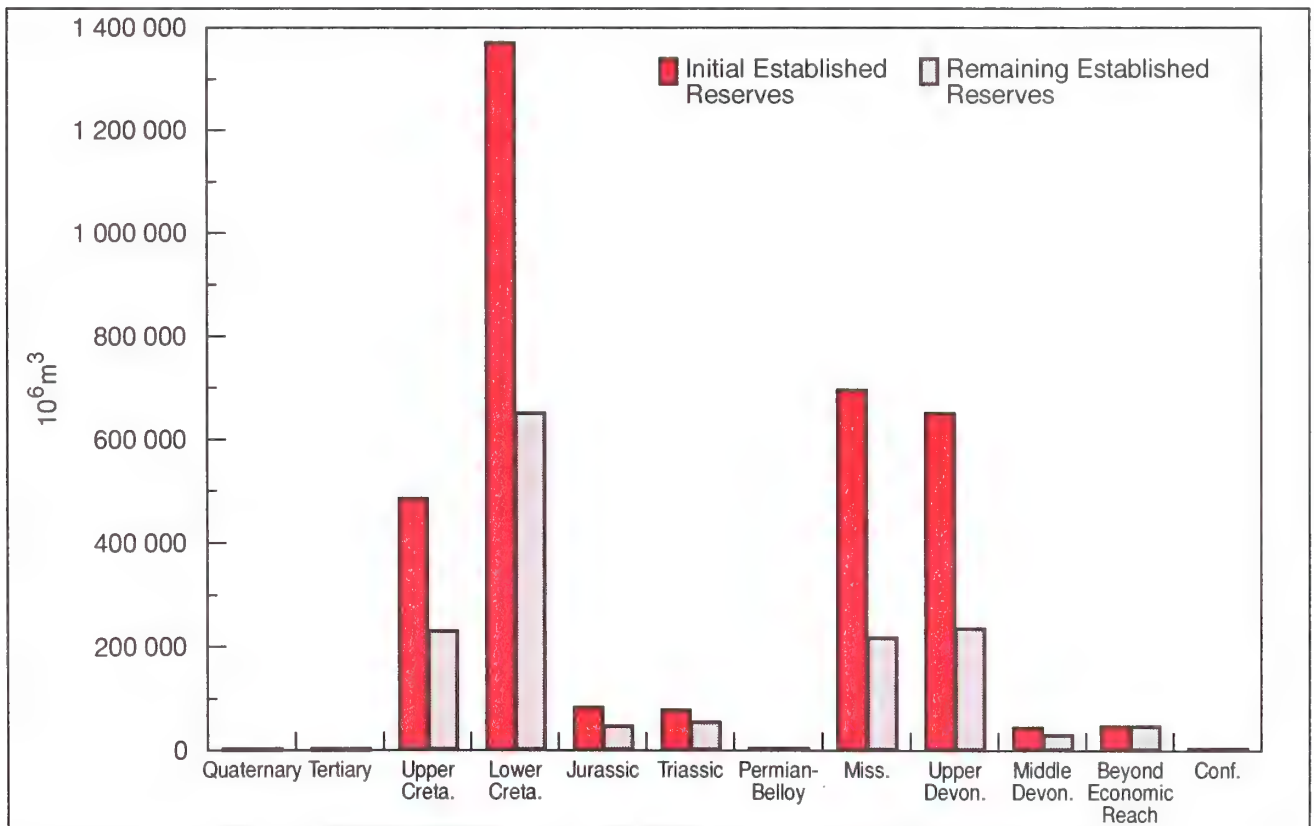
G4 TOTAL CONVENTIONAL CRUDE. Changes to Enhanced Recovery Schemes.



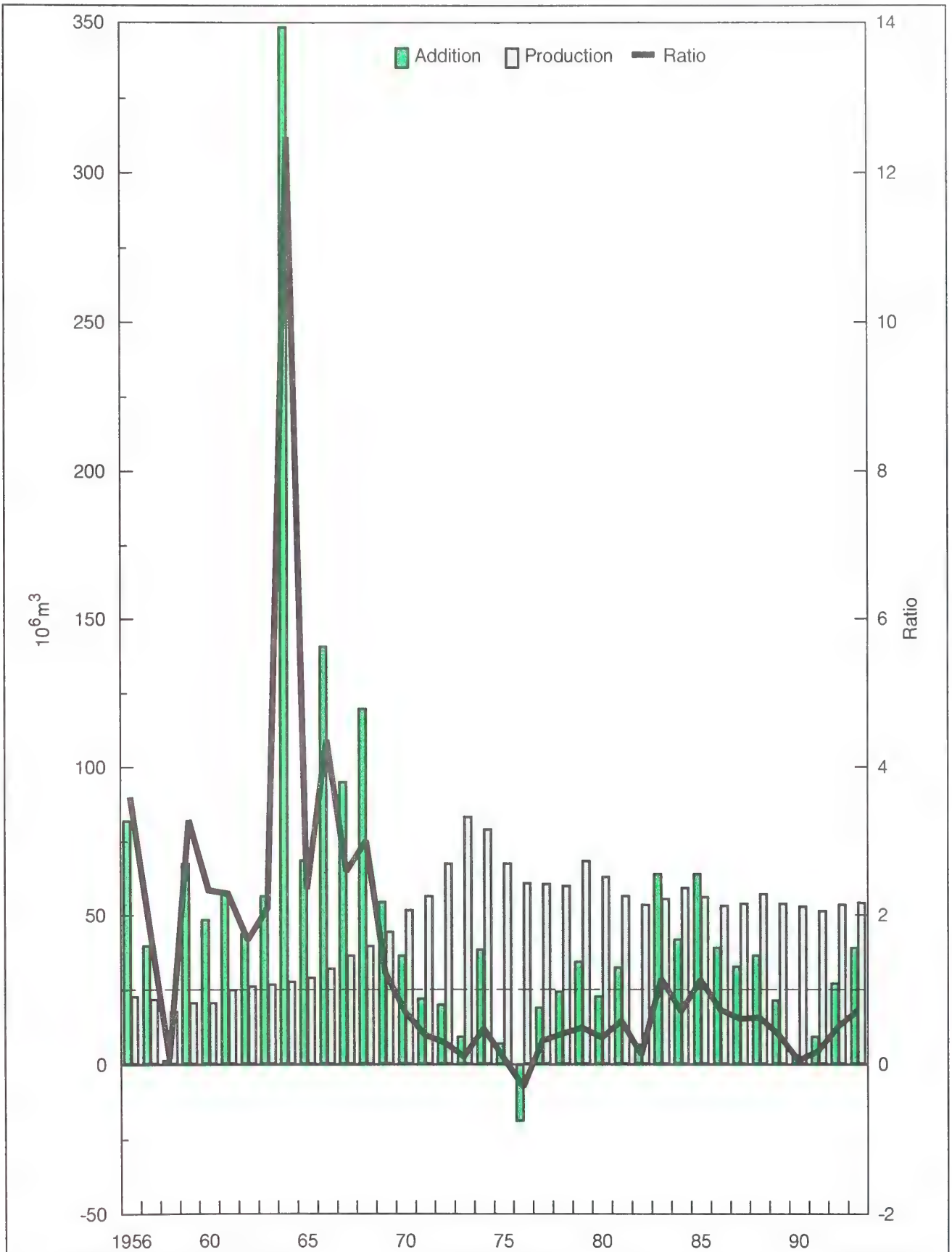
G5 RESERVES OF CONVENTIONAL CRUDE OIL ATTRIBUTABLE TO VARIOUS RECOVERY MECHANISMS AND THEIR RECOVERY FACTORS



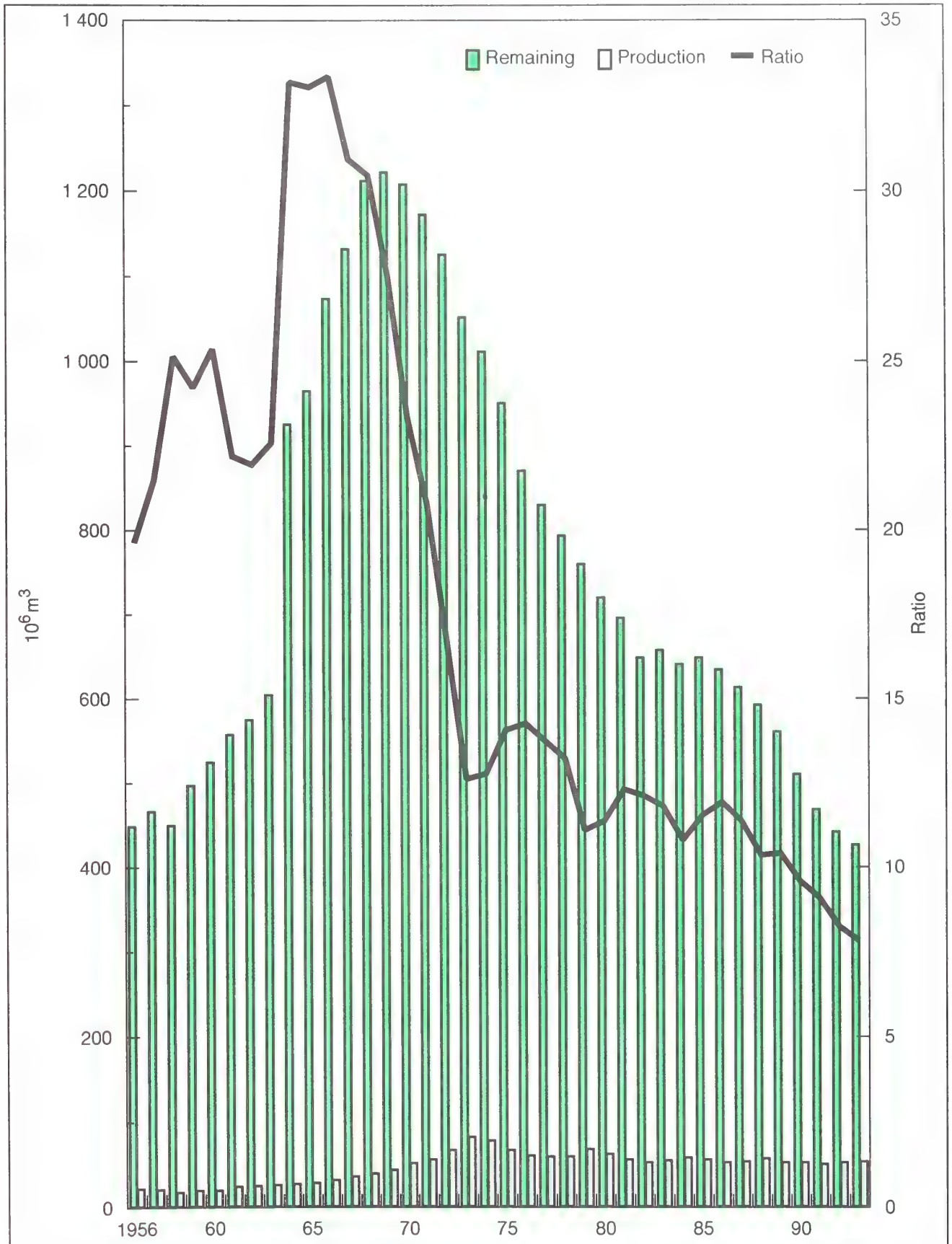
G6 GEOLOGICAL DISTRIBUTION OF RESERVES OF CONVENTIONAL CRUDE OIL



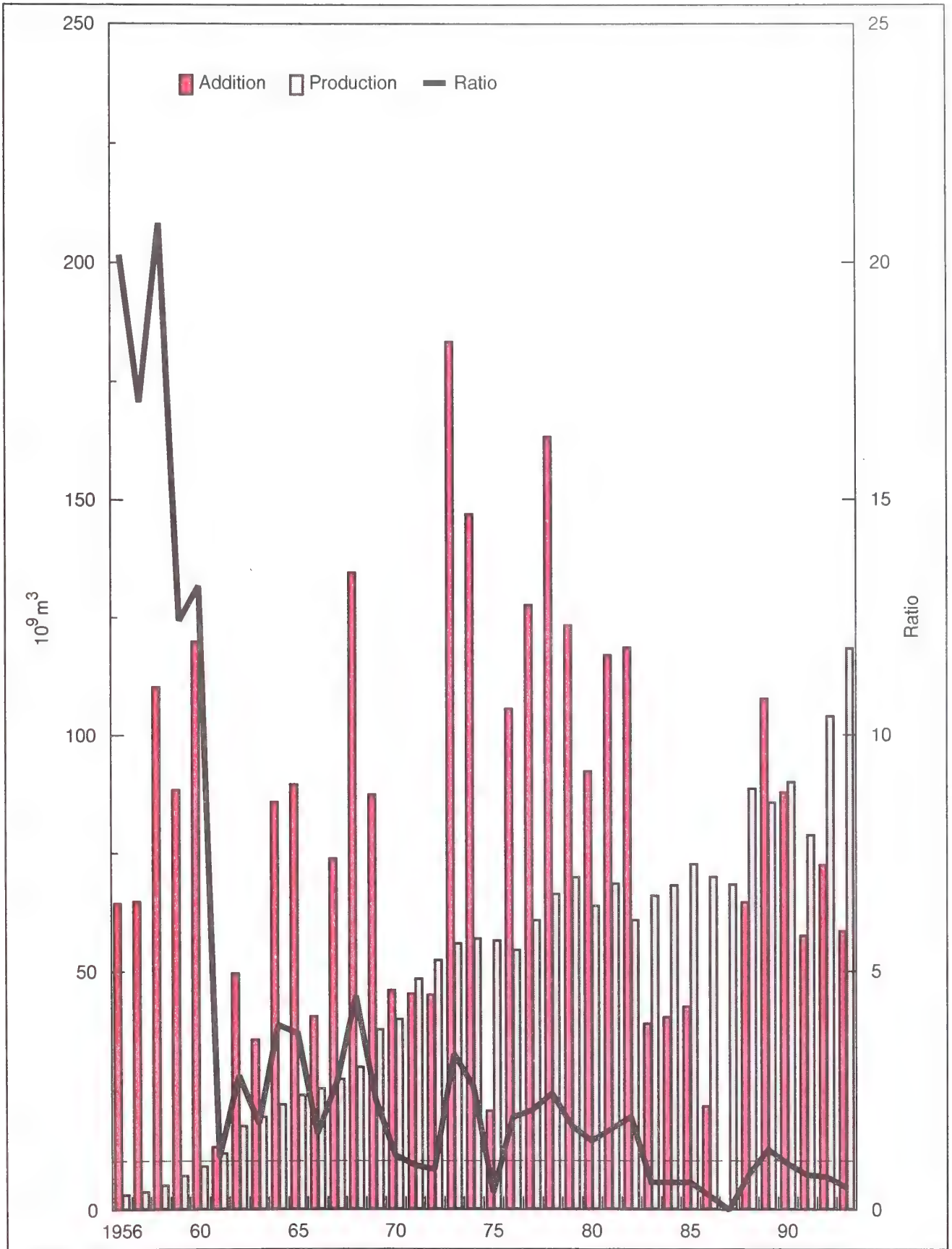
G7 GEOLOGICAL DISTRIBUTION OF RESERVES OF MARKETABLE GAS



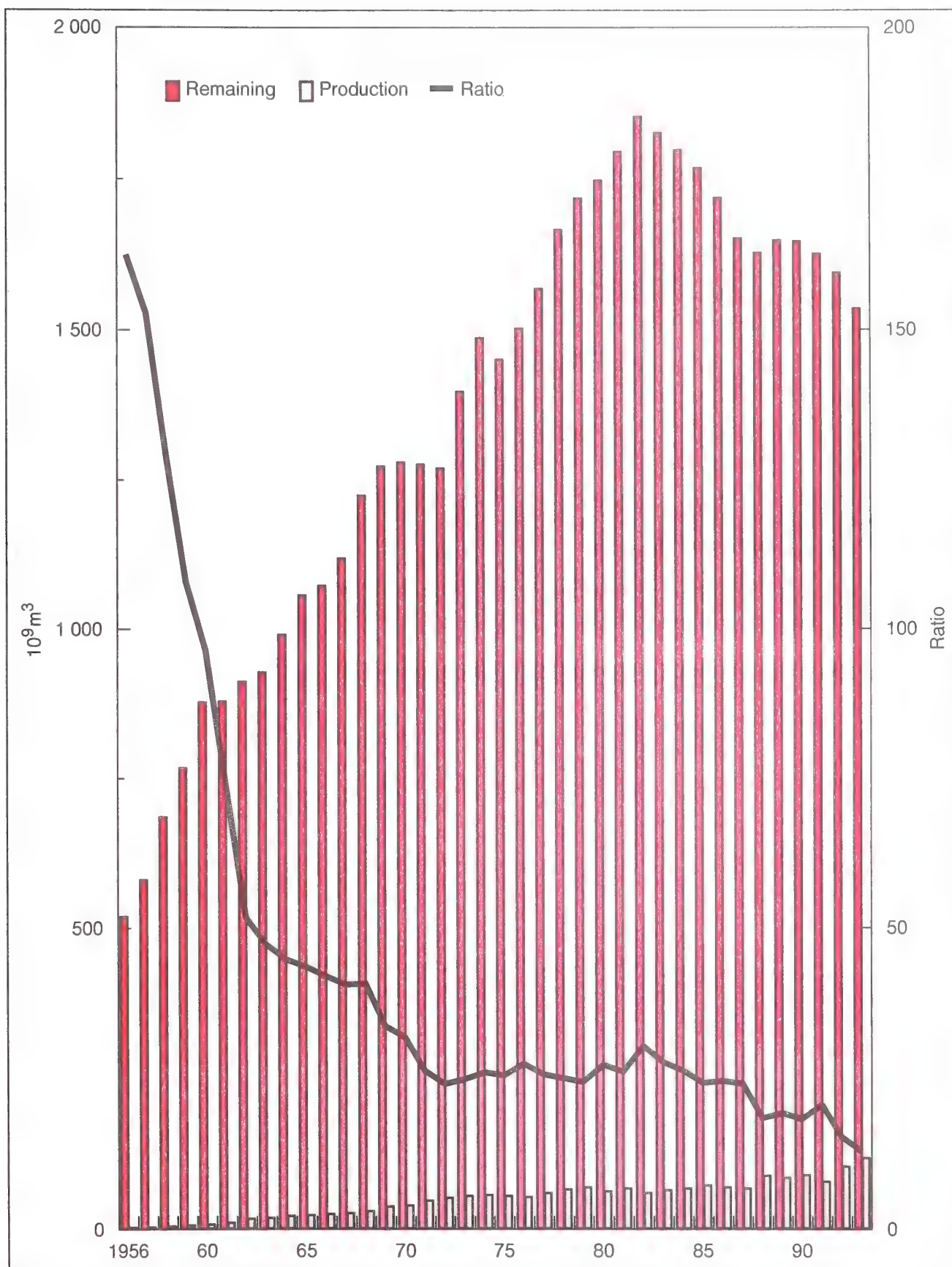
G8 ADDITIONS TO ESTABLISHED RESERVES OF CONVENTIONAL CRUDE OIL AND REPLACEMENT RATIO



**G9 REMAINING ESTABLISHED RESERVES OF CONVENTIONAL CRUDE OIL
AND RESERVES / PRODUCTION RATIO**



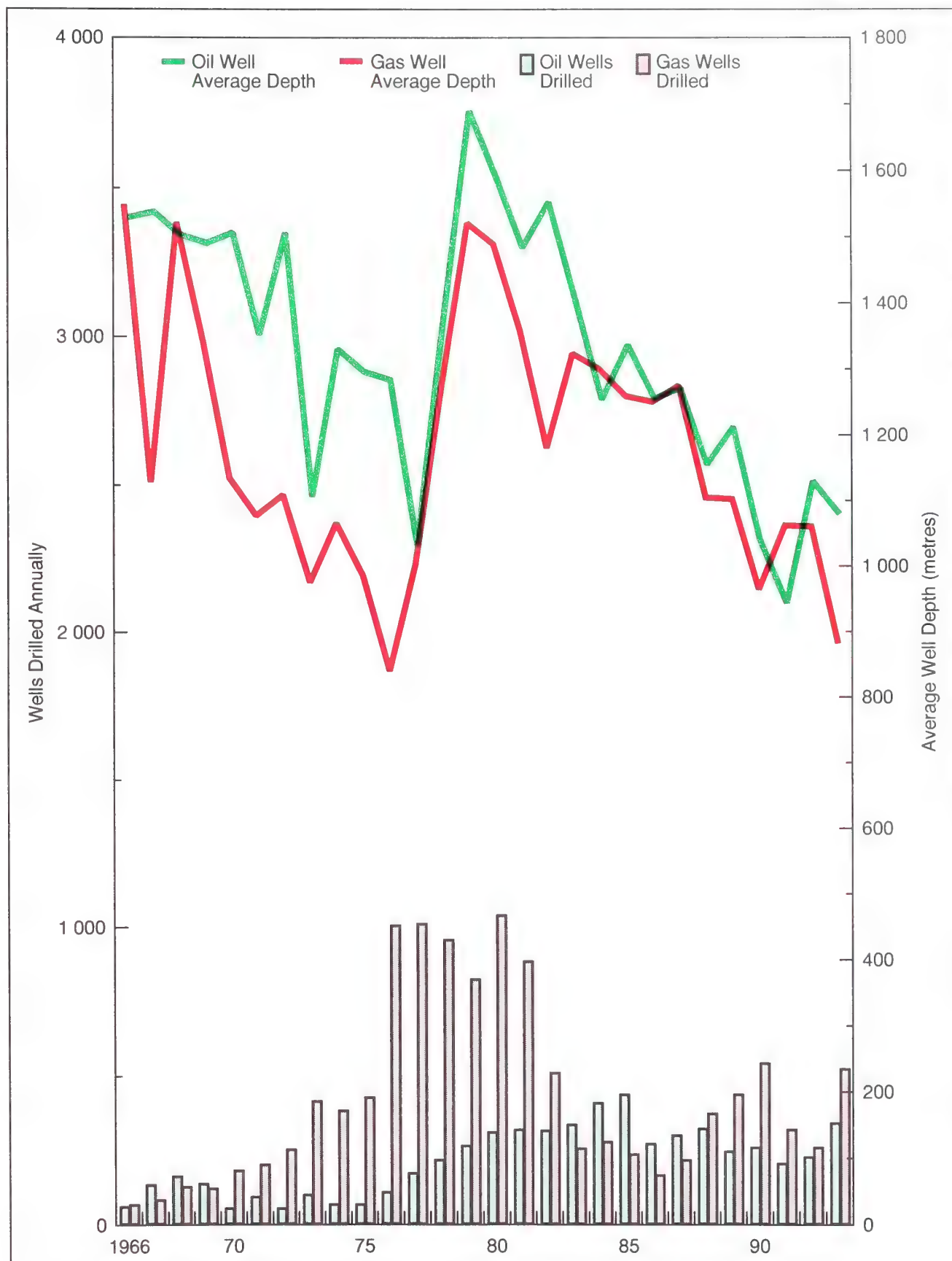
G10 ADDITIONS TO ESTABLISHED RESERVES OF MARKETABLE GAS AND REPLACEMENT RATIO

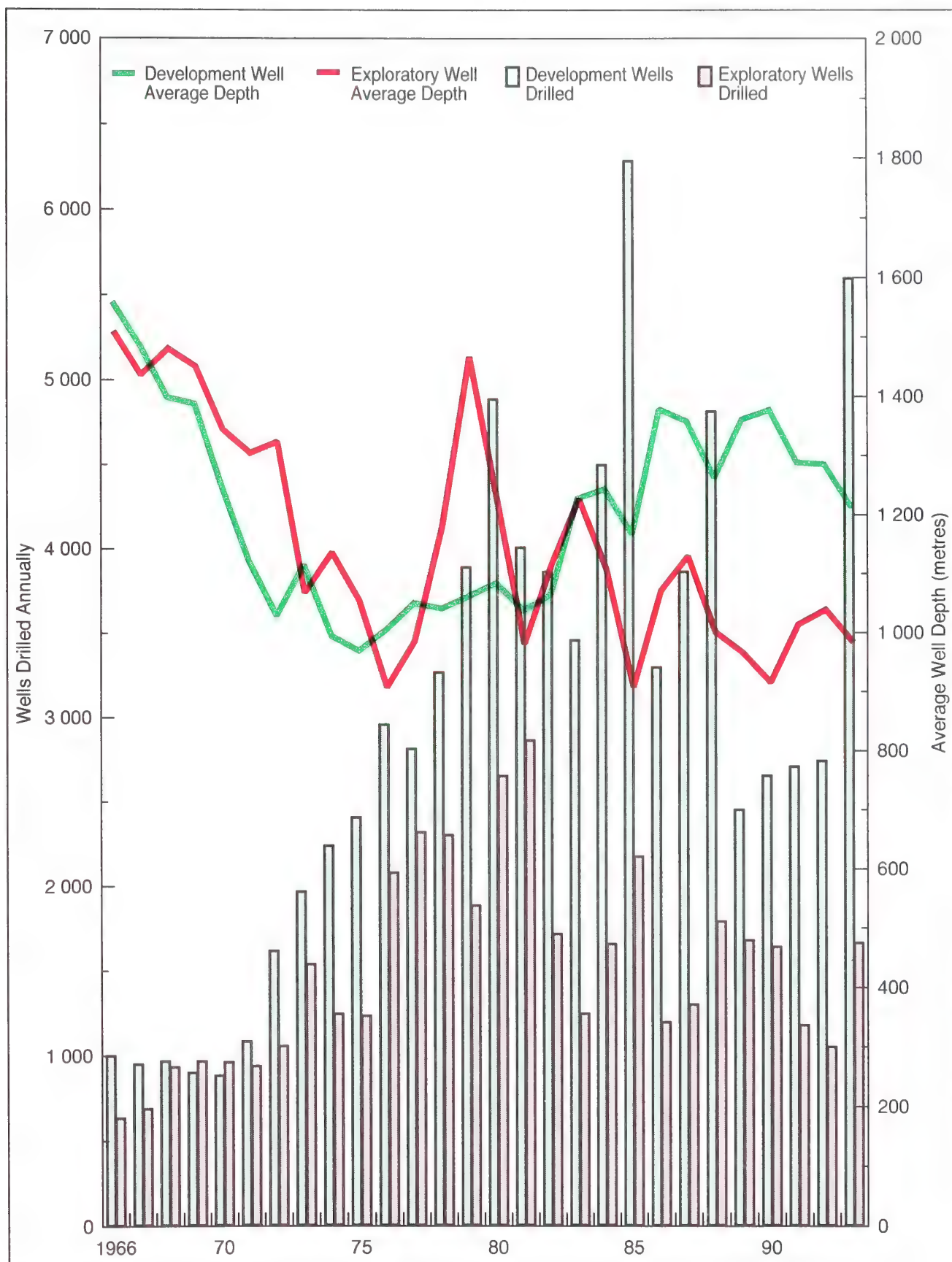


**G11 REMAINING ESTABLISHED RESERVES OF MARKETABLE GAS AND
RESERVES / PRODUCTION RATIO**



G12 OIL AND GAS DEVELOPMENT WELLS

**G13 OIL AND GAS EXPLORATORY WELLS**



G14 TOTAL DEVELOPMENT AND EXPLORATORY WELLS

1 TERMINOLOGY

1.1 SI Units

Alberta's Reserves of Crude Oil, Oil Sands, Gas, Natural Gas Liquids, and Sulphur are presented in the International System of Units (SI). The provincial totals and a few other major totals are shown in both SI units and the imperial equivalents in the various tables.

Conversion factors used in calculating the imperial equivalents are listed below:

1 cubic metre of gas (101.325 kilopascals and 15° Celsius)	= 35.493 73 cubic feet of gas (14.65 psia and 60° Fahrenheit)
1 cubic metre of ethane (equilibrium pressure and 15° Celsius)	= 6.33 Canadian barrels of ethane (equilibrium pressure and 60° Fahrenheit)
1 cubic metre of propane (equilibrium pressure and 15° Celsius)	= 6.300 0 Canadian barrels of propane (equilibrium pressure and 60° Fahrenheit)
1 cubic metre of butanes (equilibrium pressure and 15° Celsius)	= 6.296 8 Canadian barrels of butanes (equilibrium pressure and 60° Fahrenheit)
1 cubic metre of oil or pentanes plus (equilibrium pressure and 15° Celsius)	= 6.292 9 Canadian barrels of oil or pentanes plus (equilibrium pressure and 60° Fahrenheit)
1 cubic metre of water (equilibrium pressure and 15° Celsius)	= 6.290 1 Canadian barrels of water (equilibrium pressure and 60° Fahrenheit)
1 tonne	= 0.984 206 4 (U.K.) long tons (2240 pounds)
1 tonne	= 1.102 311 short tons (2000 pounds)
1 kilojoule	= 0.948 213 3 British thermal units (Btu as defined in the federal Gas Inspection Act (60°-61° Fahrenheit))

1.2 Reserves Terminology

The reserves terminology used in this report applies to all fossil energy resources (including coal) and is as follows:

- 1 **Initial Volume in Place:** The volume of crude oil, crude bitumen, or raw natural gas calculated or interpreted to exist in a reservoir before any volume has been produced.
- 2 **Established Reserves:** Those reserves recoverable under current technology and present and anticipated economic conditions, specifically proved by drilling, testing, or production; plus that judgement portion of contiguous recoverable reserves that are interpreted from geological, geophysical, or similar information, with reasonable certainty to exist.
- 3 **Initial Established Reserves:** Established reserves prior to the deduction of any production.
- 4 **Remaining Established Reserves:** Initial established reserves less cumulative production.
- 5 **Ultimate Potential:** An estimate of the initial established reserves that will have been developed in an area by the time all exploratory and development activity has ceased, having regard for the geological prospects of that area and anticipated technology and economic conditions.

Ultimate potential includes cumulative production, remaining established reserves, and future additions through extensions and revisions to existing pools and the discovery of new pools. Ultimate potential can be expressed by the following simple formula:

$$\begin{array}{lcl} \text{Ultimate potential} & = & \text{initial established reserves} \\ & & + \text{additions to existing pools} \\ & & + \text{future discoveries.} \end{array}$$

The above terminology and definitions, which were recommended by the Inter-Provincial Advisory Committee on Energy, have been adopted by the Board.

1.3 Definitions of Other Terms

Area	The area used to determine the bulk rock volume of the oil-, crude bitumen-, or gas-bearing reservoir, usually the area of the zero isopach or the assigned area of a pool or deposit.
Butanes	In addition to its normal scientific meaning, a mixture mainly of butanes which ordinarily may contain some propane or pentanes plus. (Oil and Gas Conservation Act, section 1(1)(c.1))
Compressibility Factor	A correction factor for non-ideal gas determined for gas from a pool at its initial reservoir pressure and temperature and, where necessary, including factors to correct for acid gases.

Condensate	<p>A mixture mainly of pentanes and heavier hydrocarbons that may be contaminated with sulphur compounds, that is recovered or recoverable through a well from an underground reservoir and that may be gaseous in its virgin reservoir state but is liquid at the conditions under which its volume is measured or estimated.</p> <p>(Oil and Gas Conservation Act, section 1(1)(d.1))</p>
Crude Bitumen	<p>A naturally occurring viscous mixture, mainly of hydrocarbons heavier than pentane, that may contain sulphur compounds and that, in its naturally occurring viscous state, will not flow to a well.</p> <p>(Oil Sands Conservation Act, section 1(1)(c))</p>
Crude Oil (Conventional)	<p>A mixture mainly of pentanes and heavier hydrocarbons that may be contaminated with sulphur compounds, that is recovered or is recoverable at a well from an underground reservoir, and that is liquid at the conditions under which its volume is measured or estimated, and includes all other hydrocarbon mixtures so recovered or recoverable except raw gas, condensate or crude bitumen.</p> <p>(Oil and Gas Conservation Act, section 1(1)(f.1))</p>
Crude Oil (Heavy)	<p>Crude oil will be deemed to be heavy crude oil if it has a density of 900 kg/m³ or greater, but the Board, in a particular case, may classify crude oil otherwise than in accordance with this criterion, having regard to its market utilization and purchasers' classification.</p> <p>(Oil and Gas Conservation Regulations 10.030)</p>
Crude Oil (Light-Medium)	<p>Crude oil will be deemed to be light-medium crude oil if it has a density of less than 900 kg/m³, but the Board, in a particular case, may classify crude oil otherwise than in accordance with this criterion, having regard to its market utilization and purchasers' classification.</p>
Crude Oil (Synthetic)	<p>A mixture, mainly of pentanes and heavier hydrocarbons, that may contain sulphur compounds, that is derived from crude bitumen and that is liquid at the conditions under which its volume is measured or estimated, and includes all other hydrocarbon mixtures so derived.</p> <p>(Oil and Gas Conservation Act, section 1(1)(t.1))</p>
Datum Depth	<p>The approximate average depth, relative to sea level, of the mid-point of an oil or gas productive zone for the wells in a pool.</p>
Density	<p>The mass or amount of matter per unit volume.</p>

Density, Relative (Raw Gas)	The density, relative to air, of raw gas upon discovery, determined by an analysis of a gas sample representative of a pool under atmospheric conditions.
Discovery Year	The year in which the well which discovered the oil or gas pool finished drilling.
Ethane	In addition to its normal scientific meaning, a mixture mainly of ethane which ordinarily may contain some methane or propane. (Oil and Gas Conservation Act, section 1(1)(h.1))
Gas	Raw gas or marketable gas or any constituent of raw gas, condensate, crude bitumen, or crude oil that is recovered in processing and that is gaseous at the conditions under which its volume is measured or estimated. (Oil and Gas Conservation Act, section 1(1)(j.1))
Gas (Associated)	Gas in a free state in communication in a reservoir with crude oil, under initial reservoir conditions.
Gas (Marketable)	A mixture mainly of methane originating from raw gas, if necessary through the processing of the raw gas for the removal or partial removal of some constituents, and which meets specifications for use as a domestic, commercial, or industrial fuel or as an industrial raw material. (Oil and Gas Conservation Act, section 1(1)(m))
Gas (Marketable at 101.325 kPa and 15°C)	The equivalent volume of marketable gas at standard conditions.
Gas (Non-associated)	Gas that is not in communication in a reservoir with an accumulation of liquid hydrocarbons at initial reservoir conditions.
Gas (Raw)	A mixture containing methane, other paraffinic hydrocarbons, nitrogen, carbon dioxide, hydrogen sulphide, helium, and minor impurities, or some of them, which is recovered or is recoverable at a well from an underground reservoir and which is gaseous at the conditions under which its volume is measured or estimated. (Oil and Gas Conservation Act, section 1(1)(s.1))
Gas (Solution)	Gas that is dissolved in crude oil under reservoir conditions and evolves as a result of pressure and temperature changes.

Gas-Oil Ratio (Initial Solution)	The volume of gas (in cubic metres, measured under standard conditions) contained in one stock-tank cubic metre of oil under initial reservoir conditions.
Good Production Practice (GPP)	<p>Production of crude oil or raw gas at a rate</p> <ul style="list-style-type: none"> (i) not governed by a base allowable, but (ii) limited to what can be produced without adversely and significantly affecting conservation, the prevention of waste, or the opportunity of each owner in the pool to obtain his share of the production. <p>(Oil and Gas Conservation Regulation 1.020(2)9)</p> <p>This practice is authorized by the Board either to improve the economics of production from a pool and thus defer its abandonment, or to avoid unnecessary administrative expense associated with regulation or production restrictions where this serves little or no purpose.</p>
Gross Heating Value (of dry gas)	The heat liberated by burning moisture-free gas at standard conditions and condensing the water vapour to a liquid state.
Mean Formation Depth	The approximate average depth below kelly bushing of the mid-point of an oil or gas productive zone for the wells in a pool.
Methane	<p>In addition to its normal scientific meaning, a mixture mainly of methane which ordinarily may contain some ethane, nitrogen, helium, or carbon dioxide.</p> <p>(Oil and Gas Conservation Act, section 1(1)(m.1))</p>
Natural Gas Liquids	<p>Propane, butanes, or pentanes plus, or a combination of them, obtained from the processing of raw gas or condensate.</p> <p>(Oil and Gas Conservation Act, section 1(1)(n))</p>
Oil	<p>Condensate or crude oil, or a constituent of raw gas, condensate, or crude oil that is recovered in processing, that is liquid at the conditions under which its volume is measured or estimated.</p> <p>(Oil and Gas Conservation Act, section 1(1)(n.1))</p>
Oil Sands	<ul style="list-style-type: none"> (i) sands and other rock materials containing crude bitumen, (ii) the crude bitumen contained in those sands and other rock materials, and

- (iii) any other mineral substances, other than natural gas, in association with that crude bitumen or those sands and other rock materials referred to in subclauses (i) and (ii).

(Oil Sands Conservation Act, section 1(l)(n))

Oil Sands Deposit

A natural reservoir containing or appearing to contain an accumulation of oil sands separated or appearing to be separated from any other such accumulation.

(Oil and Gas Conservation Act, section 1(1)(o.1))

**Pay Thickness
(Average)**

The bulk rock volume of a reservoir of oil, oil sands, or gas, divided by its area.

Pentanes Plus

A mixture mainly of pentanes and heavier hydrocarbons which ordinarily may contain some butanes and which is obtained from the processing of raw gas, condensate, or crude oil.

(Oil and Gas Conservation Act, section 1(1)(p))

Pool

A natural underground reservoir containing or appearing to contain an accumulation of oil or gas or both separated or appearing to be separated from any other such accumulation.

(Oil and Gas Conservation Act, section 1(1)(q))

Porosity

The effective pore space of the rock volume determined from core analysis and well log data, measured as a fraction of rock volume.

**Pressure
(Initial)**

The reservoir pressure at the reference elevation of a pool upon discovery.

Propane

In addition to its normal scientific meaning, a mixture mainly of propane which ordinarily may contain some ethane or butanes.

(Oil and Gas Conservation Act, section 1(1)(s))

**Recovery
(Enhanced)**

The increased recovery from a pool achieved by artificial means or by the application of energy extrinsic to the pool, which artificial means or application includes pressuring, cycling, pressure maintenance or injection to the pool of a substance or form of energy but does not include the injection in a well of a substance or form of energy for the sole purpose of

- (i) aiding in the lifting of fluids in the well, or

- (ii) stimulation of the reservoir at or near the well by mechanical, chemical, thermal or explosive means.

(Oil and Gas Conservation Act, section 1(1)(h))

Recovery (Pool)	In gas pools, the fraction of the in-place reserves of gas expected to be recovered under the subsisting recovery mechanism.
Recovery (Primary)	Recovery of oil by natural depletion processes only, measured as a volume so recovered or a fraction of the in-place oil.
Saturation (Gas)	The fraction of pore space in the reservoir rock occupied by gas upon discovery.
Saturation (Water)	The fraction of pore space in the reservoir rock occupied by water upon discovery.
Shrinkage Factor (Initial)	The volume occupied by one cubic metre of oil from a pool, measured at standard conditions after flash gas liberation consistent with the surface separation process, divided by the volume occupied by the same oil and gas at the pressure and temperature of a pool upon discovery.
Solvent	A suitable mixture of hydrocarbons ranging from methane to pentanes plus, but consisting largely of methane, ethane, propane, and butanes, for use in enhanced-recovery operations.
Surface Loss	A summation of the fractions of recoverable gas that is removed as acid gas and liquid hydrocarbons, used as lease or plant fuel, or flared.
Temperature	The initial reservoir temperature upon discovery at the reference elevation of a pool.
Zone	Any stratum or any sequence of strata that is designated by the Board as a zone.

(Oil and Gas Conservation Act, section 1(1)(z))

1.4 Standard Conditions of Gas Measurement

Volumes of gas are given as at a standard pressure and temperature of 101.325 kPa and 15°C, respectively.

1.5 Symbols

The symbols used in tables throughout this report have the following meanings:

SI

°C	degree Celsius	M	mega
d	day	m	metre
ha	hectare	mol	mole
J	joule	T	tera
kg	kilogram	t	tonne
kPa	kilopascal		

Imperial

bbl	barrel	°F	degree Fahrenheit
Btu	British thermal unit	psia	pounds per square inch absolute
cf	cubic foot	psig	pounds per square inch gauge
d	day	stb	stock-tank barrel

1.6 Abbreviations

General Report

GIP	gas in place
GPP	good production practice
RF	recovery factor
RGE	range
STP	standard temperature and pressure
TWP	township
WM	west of a certain meridian

Computer Printout

General abbreviations, found chiefly in the computer printout, have the following meanings:

ABAND	abandoned
ADMIN 2	Administrative Area No. 2
ASSOC	associated gas
BDY	Boundary
BELL	Belloy
BER	beyond economic reach
BLAIR	Blairmore
BLSKY OR BLSK	Bluesky
BLUE	Blueridge
BNFF	Banff
BOW ISL or BI	Bow Island
BR	Belly River

BSL COLO
 BSL MANN, BMNV or BMN
 BSL QTZ
 CADM or CDN
 CARD
 CDOT
 CH LK
 CLWTR
 CLY or COL
 CMRS
 COMP
 DBLT
 DETR
 DISC YEAR
 ELRSL, ELERS or ELRS
 ELTN or ELK
 ERSO

FALH
 FRAC
 GEN PETE or GEN PET
 GETH or GET
 GLAUC or GLC
 GLWD
 GOR
 GRD RAP or GRD RP
 GROSS HEAT VALUE
 GSMT
 ha
 HFWY
 INJ
 I.S.
 JUR or J
 KB
 KISK
 KR
 LED
 LF
 LIV
 LLOYD
 LMNV, LMN or LM
 LOC EX PROJECT
 LOC U
 LOW or L
 LUSC
 MANN or MN
 MCM
 MED HAT

Basal Colorado
 Basal Mannville
 Basal Quartz
 Cadomin
 Cardium
 Cadotte
 Charlie Lake
 Clearwater
 Colony
 Camrose
 compressibility
 Debolt
 Detrital
 discovery year
 Ellerslie
 Elkton
 enhanced-recovery scheme is in operation but no additional established reserves are attributed
 Falher
 fraction
 General Petroleum
 Gething
 Glauconitic
 Gilwood
 gas-oil ratio
 Grand Rapids
 gross heating value
 Grosmont
 hectare
 Halfway
 injected
 integrated scheme
 Jurassic
 kelly bushing
 Kiskatinaw
 Keg River
 Leduc
 load factor
 Livingston
 Lloydminster
 Lower Mannville
 local experimental project
 local utility
 lower
 Luscar
 Mannville
 McMurray
 Medicine Hat

MID or M	middle
MILK RIV	Milk River
MOP	maximum operating pressure
MSKG	Muskeg
MSL	mean sea level
NGL	natural gas liquids
NIKA	Nikanassin
NIS	Nisku
NO.	number
NON-ASSOC	non-associated gas
NORD	Nordegg
NOTIK, NOTI or NOT	Notikewin
OST	Ostracod
PALL	Palliser
PEK	Pekisko
PM-PN SYS	Permo-Penn System
RF	recovery factor
RK CK	Rock Creek
RUND or RUN	Rundle
SA	strike area
SATN	saturation
SD	sandstone
SE ALTA GAS SYS (MU)	Southeastern Alberta Gas System — commingled
SG	gas saturation
SHUN	Shunda
SL	surface loss
SL PT	Slave Point
SOLN	solution gas
SPKY	Sparky
ST. ED	St. Edouard
SULPT	Sulphur Point
SUSP	suspended
SW	water saturation
SW HL	Swan Hills
TEMP	temperature
TOT	Total
TV	Turner Valley
TVD	true vertical depth
UIRE	Upper Ireton
UMNV, UMN or UM	Upper Mannville
UP or U	upper
VIK or VK	Viking
VOL	volume
WAB	Wabamun
WBSK	Wabiskaw
WINT	Winterburn
WTR DISP	water disposal
WTR INJ	water injection

1ST WHITE SPKS OR 1WS
2WS

First White Specks
Second White Specks

Company Names

The following is a list of abbreviations which are used for certain company names:

AEC	Alberta Energy Co. Ltd.
AEL	Anderson Exploration Ltd.
ALTROAN	Altana Exploration Company/Roan Resources Ltd.
AMEAGLE	American Eagle Petroleum Ltd.
AMERADA	Amerada Minerals Corporation of Canada Ltd.
AMOCO	Amoco Canada Petroleum Company Ltd.
ATCOR	ATCOR Ltd.
BARRING	Barrington Petroleum Ltd.
BLUERGE	Blue Range Resource Corporation
BVI	Bow Valley Industries Ltd.
CAN88	Canadian 88 Energy Corp.
CANOR	Canor Energy Ltd.
CANOXY	Canadian Occidental Petroleum Ltd.
CANST	CanStates Energy
CENTRA	Centra Gas Alberta Inc.
CHEL	Canadian Hunter Exploration Ltd.
CIMRON	Cimarron Petroleum Ltd.
CMG	Canadian-Montana Gas Company Limited
CNG	Consolidated Natural Gas Limited
CNRL	Canadian Natural Resources Limited
CNWE	Canada Northwest Energy Ltd.
CONOCO	Conoco Canada Limited
CONTIN	Continental Energy Marketing Ltd.
CRESTAR	Crestar Energy Inc.
CTYMEDH	City of Medicine Hat
CWNGNUL	Canadian Western Natural Gas Company Limited and Northwestern Utilities Limited
DART	Dartmouth Power Associates Limited Partnership
DEKALB	DEKALB Energy Canada Ltd.
DIRECT	Direct Energy Marketing Ltd.
DYNALTA	Dynalta Energy Corporation
EMI	EMI Pawtucket Inc.
ENCOR	Encor Inc.
ESSO	Esso Resources Canada Limited
GARDNER	Gardiner Oil and Gas Limited
GULF	Gulf Canada Resources Limited
HILL	Hillcrest Resources Ltd.
HOME	Home Oil Company Limited
HUSKY	Husky Oil Ltd.
INVRNS	Inverness Petroleum Ltd.
KANNGAZ	KannGaz Producers Ltd.

LOMALTA	Lomalta Petroleums Ltd.
LUSCAR	Luscar Ltd.
METGAZ	Metro Gaz Marketing Inc.
MOBIL	Mobil Oil Canada
MORRIS	Morrison Petroleums Ltd.
NCMI	North Canadian Marketing Inc.
NORCEN	Norcen Energy Resources Limited
NOVER	Novergaz Inc.
NRTHRGE	Northridge Petroleum Marketing Inc.
NRTHSTR	Northstar Energy Corporation
OMV	OMV (Canada) Ltd.
PANALTA	Pan-Alberta Gas Ltd.
PANCDN	PanCanadian Petroleum Limited
PARAMNT	Paramount Resources Ltd.
PCI	Petro-Canada Inc.
PETRORP	Petrorep (Canada) Ltd.
PINCL	Pinnacle Resources Ltd.
POCO	Poco Petroleums Limited
PROGAS	ProGas Limited
RENENER	Renaissance Energy Ltd.
RIFE	Rife Resources Ltd.
RIOALTO	Rio Alta Exploration Ltd.
SASKEN	SaskEnergy Corporation
SASKOIL	Saskatchewan Oil and Gas Corporation
SCEPTRE	Sceptre Resources Ltd.
SHAMAN	Shaman Energy Corporation
SHELL	Shell Canada Limited
SHERRIT	Sherritt Gordon Limited
SIMPLOT	Simplot Canada Limited
SUMMIT	Summit Resources Limited
SUNCOR	Suncor Inc. Oil Sands Group
SYNCRUDE	Syncrude Canada Ltd.
TALISMAN	Talisman Energy Inc.
TARRAGN	Tarragan Oil and Gas Limited
TCPL	TransCanada PipeLines Limited
TRWENR	Transwest Energy Inc.
ULSTER	Ulster Petroleums Ltd.
UNOCAL	Unocal Canada Limited
WAINOCO	Wainoco Oil Corporation
WEBEX	Webex Oil & Gas Ltd.
WESTGAS	Westcoast Gas Services Inc.

2 RESERVES OF CONVENTIONAL CRUDE OIL

The Board estimates the remaining established reserves of conventional crude oil in Alberta to be 426.8 million cubic metres at year-end 1993. This is a net decrease from year-end 1992 of 15.2 million cubic metres as a result of all reserve adjustments less production that occurred during 1993. The initial established reserves attributed to new pools booked in 1993 totalled 7.3 million cubic metres, while development of new and existing oil pools was estimated to have added established reserves of 14.2 million cubic metres during 1993.

At year-end 1993, oil reserves were assigned to some 5300 light-medium and 1800 heavy crude oil pools in the province. Approximately 41.9 million cubic metres of light and medium oil and 12.5 million cubic metres of heavy crude oil were produced during 1993.

The changes in reserves for light-medium and heavy crude oil during 1993 are shown below:

	1993	1992	Change
	10 ⁶ m ³	10 ⁶ m ³	10 ⁶ m ³
Initial Established Reserves			
Light-Medium	2 118.5	2 084.0	
Heavy	213.4	208.7	
Total	2 331.9	2 292.7	+ 39.2 ^a
	(14 674) ^c	(14 428) ^c	
Cumulative Production			
Light-Medium	1 750.4	1 703.0	
Heavy	154.7	147.7	
Total	1 905.1	1 850.7	+ 54.4 ^{a,b}
Remaining Established Reserves			
Light-Medium	368.1	381.1	
Heavy	58.7	60.9	
Total	426.8	442.0	- 15.2 ^a
	(2 686) ^c	(2 781) ^c	

a Because a number of pools shifted from heavy crude to light-medium in 1993, the split between light-medium and heavy crude should be viewed with caution.

b Production figures may differ from that published in the Board's report ERCB ST 94-17.

c Imperial equivalent in millions of stock-tank barrels.

Contributions to the overall net increase in initial established reserves during 1993 of 39.2 million cubic metres are summarized below. The reassessment of reserves includes the reclassification of several large Provost pools from heavy crude to light-medium. This resulted in the transfer of some 14 million cubic metres of recoverable reserves and approximately 8600 cubic metres per day of production from heavy crude to light-medium.

	Initial Established Reserves		
	Light-Medium	Heavy Crude	Total ^a
	10 ⁶ m ³	10 ⁶ m ³	10 ⁶ m ³
New Discoveries	6.0	1.4	7.3
Development of Existing Pools	8.8	5.4	14.2
Enhanced Recovery (New Schemes/Expansions)	4.7	3.1	7.9
Reassessment	15.1	– 5.3	9.8
Total	+ 34.5	+ 4.7	+ 39.2

a Discrepancies are due to rounding

The following tables provide further information on oil reserve trends and geological distribution:

Table 2-1 Major light-medium reserve changes.

Table 2-2 Major heavy crude reserve changes.

Table 2-3 Oil reserves by crude oil type and recovery mechanism.

Table 2-4 Oil reserves by geological period and crude-oil type.

Table 2-5 Oil reserves by geological formation.

Table 2-6 Lists reserves and reservoir factors to year-end 1993 for each designated non-confidential crude-oil pool in Alberta. Reserve totals for undefined and confidential pools are shown separately at the end of each section.

The map included in the back pocket of this report will assist the reader interested in the geographic distribution of reserves and in locating the fields and pools listed in Table 2-6. The approximate location of each field is shown immediately following the field name. Fields have been coloured either green (for oil) or yellow (for gas) based on which had the higher initial energy content.

TABLE 2-1 Major Light-Medium Oil Reserve Changes^a
1993

Pool	Initial Established Reserves		Main Reason for Change
	1993	Change	
	10 ³ m ³	10 ³ m ³	
Bashaw D-2 G	1 324.0	+ 501.0	Enhanced recovery recognition
Cherhill Banff A	3 580.0	+ 931.0	Reassessment of initial volume in place and recovery factor
Enchant Arcs J & VV	596.0	+ 437.0	Reassessment of initial volume in place
Golden Spike D-3 A	30 650.0	+ 400.0	Reassessment of gas flood recovery factor
Homeglen-Rimbey D-3	2 265.0	+ 924.0	Pool development
Joffre D-2	8 446.0	- 1 680.0	Reassessment of recovery factor
Nipisi Gilwood A	56 800.0	- 4 240.0	Reassessment of solvent flood recovery factor
Pembina Belly River C & O	20 400.0	- 2 060.0	Pool coalescence and reassessment of recovery factor
Pembina Belly River I	1 909.0	+ 457.0	Pool development
Provost Glaucconitic A	2 263.0	+ 359.0	Pool development
Provost Ellerslie N	1 534.0	+ 323.0	Pool development
Provost Ellerslie U	386.0	+ 386.0	New pool
Rainbow South Keg River E	2 695.0	- 1 309.0	Reassessment of recovery factor
Redwater D-3	130 400.0	+ 2 400.0	Reassessment of recovery factor
Sturgeon Lake D-3	6 615.0	+ 2 315.0	Reassessment of initial volume in place and recovery factor
Utikuma Lake Keg River Sand A	9 200.0	+ 1 626.0	Pool development
Wimbome D-2 B	400.0	+ 359.0	Reassessment of initial volume in place and recovery factor

^a For a detailed listing of all reserve changes, refer to the supplement to this publication, ERCB ST 94-18A

TABLE 2-2 Major Heavy Oil Reserve Changes^a
1993

Pool	Initial Established Reserves		Main Reason for Change
	1993	Change	
	10 ³ m ³	10 ³ m ³	
Alderson Lower Mannville B	538.0	+ 394.0	Reassessment of initial volume in place
Countess Upper Mannville D	6 426.0	+ 226.0	Reassessment of waterflood recovery factor
Countess Upper Mannville YY	1 103.0	+ 956.0	Pool development
Hays Sawtooth B	991.0	+ 365.0	Reassessment of initial oil in place and recovery factor
Hayter Dina A	4 047.0	+ 735.0	Pool development and reassessment of waterflood recovery factor
Jenner Upper Mannville F	521.0	+ 213.0	Pool development
Lloydminster Sparky Q & General Petroleum BB	700.0	+ 373.0	Pool development
Provost Cummings I	3 153.0	+ 2 340.0	Pool coalescence and development
Provost Upper Mannville B	2 097.0	+ 729.0	Pool development
Provost Dina O	924.0	+ 646.0	Pool development
Provost Lloydminster O	3 325.0	+ 800.0	Reassessment of initial volume in place and recovery factor
Provost Lloydminster DD	1 293.0	+ 664.0	Reassessment of waterflood recovery factor
Provost Lloydminster UU	325.0	+ 325.0	New pool
Taber North Glauconitic A	3 563.0	+ 763.0	Reassessment of initial volume in place and recovery factor
Viking-Kinsella Wainwright B	5 855.0	+ 616.0	Reassessment of recovery factor
Wildmere Lloydminster A & Sparky E	4 074.0	+ 629.0	Reassessment of recovery factor

^a For a detailed listing of all reserve changes, refer to the supplement to this publication, ERCB ST 94-18A

**TABLE 2-3 Summary of Reserves of Conventional Crude Oil
Attributable to Various Recovery Mechanisms
As at 31 December 1993**

	1	2	3	4	5	6	7	8	9
Crude-Oil Type and Pool Type	Initial Volume in Place	Initial Established Reserves			Total ^a	Average Recovery			
		Primary	Waterflood/ Gasflood	Solvent Flood		Primary	Waterflood/ Gasflood	Solvent Flood	Total
	10 ⁶ m ³					fraction			
Light-Medium									
Primary Depletion	3 465.6	774.6	0.0	0.0	774.6	0.22	0.00	0.00	0.22
Waterflood	2 578.0	397.5	371.7	0.0	769.3	0.15	0.14	0.00	0.30
Solvent Flood	859.8	245.2	153.8	117.3	516.3	0.29	0.17	0.14	0.58
Gas Flood	145.0	47.5	10.7	0.0	58.2	0.33	0.07	0.00	0.40
Heavy									
Primary Depletion	1 208.0	116.0	0.0	0.0	116.0	0.10	0.00	0.00	0.10
Waterflood	309.8	29.3	68.0	0.0	97.4	0.09	0.22	0.00	0.31
Total ^a	<u>8 566.2</u>	<u>1 610.2</u>	<u>604.2</u>	<u>117.3</u>	<u>2 331.9</u>	<u>0.19^b</u>	<u>0.07^b</u>	<u>0.01^b</u>	<u>0.27^b</u>
	(53 906) ^c	(10 133) ^c	(3 802) ^c	(738) ^c	(14 674) ^c				
Percentage of Total Initial Established Reserves		<u>69.1</u>	<u>25.9</u>	<u>5.0</u>	<u>100.0</u>				

a Discrepancies are due to rounding.

b The estimated recovery of all pools in the province, if depleted under their natural depletion mechanism, would be 19 per cent of the initial volume in place. Implementation of enhanced recovery schemes in some pools is expected to increase the effective recovery for all pools in Alberta to 27 per cent.

c Imperial equivalent in millions of stock-tank barrels.

**TABLE 2-4 Distribution of Reserves of Conventional Crude Oil
by Geological Period and Crude-Oil Type
As at 31 December 1993**

	1	2	3	4	5	6	7	8	9	10	11	12
Geological Period	Initial Volume in Place			Initial Established Reserves			Remaining Established Reserves			Average Recovery		
	Light-Medium	Heavy	Total	Light-Medium	Heavy	Total	Light-Medium	Heavy	Total	Light-Medium	Heavy	Total
	10 ⁶ m ³									fraction		
Cretaceous												
Upper	1 962.6	0.0	1 962.6	346.3	0.0	346.3	85.2	0.0	85.2	0.18	0.00	0.18
Lower	937.4	1 317.6	2 254.9	166.4	179.8	346.2	48.0	48.3	96.4	0.18	0.14	0.15
Jurassic	98.5	83.6	182.1	19.0	22.9	41.9	5.8	6.2	12.0	0.19	0.27	0.23
Triassic	220.4	18.9	239.3	51.7	1.6	53.3	16.8	0.6	17.3	0.23	0.08	0.22
Permian	13.7	0.0	13.7	6.0	0.0	6.0	1.2	0.0	1.2	0.44	0.00	0.44
Mississippian	558.6	61.3	619.9	86.9	6.5	93.4	12.6	2.2	14.9	0.16	0.11	0.15
Devonian												
Upper	2 310.2	19.6	2 329.8	1 102.9	1.4	1 104.4	125.2	0.5	125.8	0.48	0.08	0.47
Middle	897.6	0.0	897.6	334.8	0.0	334.8	69.3	0.0	69.3	0.37	0.00	0.37
Other	49.4	16.8	66.3	4.5	1.0	5.5	3.8	0.8	4.7	0.09	0.06	0.08
Total ^a	<u>7 048.4</u>	<u>1 517.8</u>	<u>8 566.2</u>	<u>2 118.5</u>	<u>213.4</u>	<u>2 331.9</u>	<u>368.1</u>	<u>58.7</u>	<u>426.8</u>	<u>0.30</u>	<u>0.14</u>	<u>0.27</u>
	(44 355) ^b	(9 551) ^b	(53 906) ^b	(13 332) ^b	(1 343) ^b	(14 674) ^b	(2 316) ^b	(369) ^b	(2 686) ^b			

a Discrepancies are due to rounding.

b Imperial equivalent in millions of stock-tank barrels.

TABLE 2-5 Geological Distribution of Reserves of Conventional Crude Oil
As at 31 December 1993

Geological Distribution	1	2	3	4	5	6
	Initial Volume in Place	Initial Established Reserves	Remaining Established Reserves	Initial Volume in Place	Initial Established Reserves	Remaining Established Reserves
	10 ⁶ m ³			percentage of total		
Upper Cretaceous						
Belly River	241.3	36.2	14.5	2.8	1.6	3.4
Cardium	1 604.9	296.6	63.8	18.7	12.7	14.9
Second White Specks	24.5	2.0	0.9	0.3	0.1	0.2
Doe Creek	68.6	9.4	5.2	0.8	0.4	1.2
Dunvegan	17.1	1.4	0.5	0.2	0.1	0.1
Other	6.2	0.7	0.3	0.1	0.0	0.1
Subtotal	1 962.6	346.3	85.2	22.9	14.8	20.0
Lower Cretaceous						
Viking	296.6	60.6	10.8	3.5	2.6	2.5
Basal Colorado	11.8	2.2	0.3	0.1	0.1	0.1
Upper Mannville	1 195.9	152.6	44.5	14.0	6.5	10.4
Lower Mannville	747.0	130.5	40.6	8.7	5.6	9.5
Other	3.6	0.3	0.2	0.0	0.0	0.0
Subtotal	2 254.9	346.2	96.4	26.0	14.8	22.6
Jurassic						
Sawtooth	70.7	20.2	5.3	0.8	0.9	1.2
Rock Creek	21.7	2.9	1.2	0.2	0.1	0.3
Nordegg	68.3	15.4	4.3	0.8	0.7	1.0
Other	21.4	3.5	1.2	0.2	0.2	0.3
Subtotal	182.1	41.9	12.0	2.1	1.8	2.8
Triassic						
Charlie Lake	56.1	7.3	3.4	0.7	0.3	0.8
Boundary	48.5	10.8	4.4	0.6	0.5	1.0
Halfway	72.4	14.2	6.3	0.8	0.6	1.5
Montney	50.3	20.1	2.9	0.6	0.9	0.7
Other	12.0	0.9	0.4	0.1	0.0	0.1
Subtotal	239.3	53.3	17.3	2.8	2.3	4.1
Permian-Belloy	13.7	6.0	1.2	0.2	0.3	0.3
Mississippian						
Rundle	417.4	67.1	6.2	4.9	2.9	1.5
Pekisko	77.1	11.0	2.9	0.9	0.5	0.7
Banff	98.8	12.1	4.8	1.2	0.5	1.1
Other	26.6	3.2	1.0	0.3	0.1	0.2
Subtotal	619.9	93.4	14.9	7.2	4.0	3.5

TABLE 2-5 (continued)

Geological Distribution	1	2	3	4	5	6
	Initial Volume in Place	Initial Established Reserves	Remaining Established Reserves	Initial Volume in Place	Initial Established Reserves	Remaining Established Reserves
	10 ⁶ m ³			percentage of total		
Upper Devonian						
Wabamun	49.0	7.0	2.6	0.6	0.3	0.6
Nisku	363.8	178.4	18.6	4.2	7.7	4.4
Leduc	820.4	500.0	30.0	9.6	21.4	7.0
Beaverhill Lake	946.5	397.4	65.8	11.0	17.0	15.4
Slave Point	109.6	15.7	5.5	1.3	0.7	1.3
Other	40.5	5.9	3.2	0.5	0.2	0.7
Subtotal	2 329.8	1 104.4	125.8	27.2	47.4	29.5
Middle Devonian						
Gilwood	280.7	125.8	19.8	3.3	5.4	4.6
Sulphur Point	9.4	1.3	0.6	0.1	0.1	0.1
Muskeg	47.8	9.2	3.5	0.6	0.4	0.8
Keg River	444.2	166.6	36.9	5.2	7.1	8.6
Keg River SS	41.4	15.8	3.4	0.5	0.7	0.8
Granite Wash	71.0	16.0	5.1	0.8	0.7	1.2
Other	0.1	0.0	0.0	0.0	0.0	0.0
Subtotal	897.6	334.8	69.3	10.5	14.4	16.2
Undefined and Confidential	66.3	5.5	4.7	0.8	0.2	1.1
Total ^a	8 566.2	2 331.9	426.8	100.0	100.0	100.0
	(53 906) ^b	(14 674) ^b	(2 686) ^b			

a Discrepancies in totals and subtotals are due to rounding.

b Imperial equivalent in millions of stock-tank barrels.



Reserves of Conventional Crude Oil and Basic Data

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
ACHESON 053-26W4								
BLAIRMORE A	879.0	0.17		149.0		149.0	130.5	18.5
BLAIRMORE B	111.0	0.15		16.7		16.7	7.0	9.7
BLAIRMORE C	375.0	0.15		56.3		56.3	48.6	7.7
BLAIRMORE F	370.0	0.25		92.5		92.5	79.2	13.3
BLAIRMORE J	304.0	0.20		60.8		60.8	55.5	5.3
BLAIRMORE K	1 250.0	0.15		188.0		188.0	121.8	66.2
BLAIRMORE L	289.0	<0.04		11.6		11.6	11.6	
BLAIRMORE P	183.0	<0.01		0.1		0.1	0.1	
BLAIRMORE S	139.0	<0.04		5.0		5.0	5.0	
BLAIRMORE V	198.0	0.12		23.8		23.8	17.8	6.0
BLAIRMORE X	99.8	0.15		15.0		15.0	11.2	3.8
BLAIRMORE Z	42.5	0.10		4.3		4.3	0.7	3.6
BLAIRMORE AA	78.3	0.05		3.9		3.9	2.4	1.5
BLAIRMORE BB	68.0	0.15		10.2		10.2	5.2	5.0
BLAIRMORE CC	27.4	0.10		2.7		2.7	0.5	2.2
BLAIRMORE EE	39.2	0.01		0.4		0.4	0.4	
BLAIRMORE D & I	2 319.0	0.15		348.0		348.0	257.6	90.4
ELLERSLIE A	343.0	0.03		10.3		10.3	6.3	4.0
ELLERSLIE B	387.0	0.03		11.6		11.6	4.6	7.0
ELLERSLIE C	406.0	0.05		20.3		20.3	2.9	17.4
DETRITAL A	50.6	0.20		10.1		10.1	8.4	1.7
DETRITAL C	62.2	0.10		6.2		6.2	0.3	5.9
DETRITAL D	235.0	0.03		7.1		7.1	0.5	6.6
DETRITAL E	199.0	0.20		39.8		39.8	8.1	31.7
WABAMUN A	229.0	<0.02		3.7		3.7	3.7	
WABAMUN B	92.5	0.05		4.6		4.6	2.5	2.1
D-2 A	775.0	0.58		450.0		450.0	442.8	7.2
D-2 B	98.1	0.35		34.3		34.3	23.6	10.7
D-2 C	175.0	0.25		43.8		43.8	14.2	29.6
D-2 D	13.5	0.20		2.7		2.7	1.0	1.7
D-3 A SOLVENT FLOOD	29 650.0	0.54	0.28	16 010.0	8 090.0	24 100.0	20 584.1	3 515.9
FIELD TOTAL	39 488.1			17 642.8	8 090.0	25 732.8	21 858.1	3 874.7
ACHESON EAST 052-25W4								
BLAIRMORE A	500.0	0.26		130.0		130.0	126.0	4.0
BLAIRMORE B	6 465.0	0.14		905.0		905.0	788.3	116.7
BLAIRMORE C	224.0	0.25		56.0		56.0	48.9	7.1
BLAIRMORE D	572.0	0.25		143.0		143.0	131.4	11.6
BLAIRMORE E	226.0	0.15		33.9		33.9	27.7	6.2
BLAIRMORE G	171.0	0.10		17.1		17.1	8.0	9.1
BLAIRMORE H	39.8	<0.05		1.9		1.9	1.9	
BLAIRMORE I	47.4	0.20		9.5		9.5	7.2	2.3
BLAIRMORE J	93.6	<0.06		4.9		4.9	4.9	
BLAIRMORE K	374.0	<0.02		6.7		6.7	6.7	
GLAUCONITIC A	67.6	<0.01		0.3		0.3	0.3	
BLAIRMORE F & GLAUCONITIC B	683.0	0.07		47.8		47.8	34.6	13.2
FIELD TOTAL	9 463.4			1 356.1		1 356.1	1 185.9	170.2
ADAMS 071-08W5								
GILWOOD A	68.4	0.10		6.8		6.8	6.6	0.2
GILWOOD B	93.3	0.20		18.7		18.7	13.6	5.1
FIELD TOTAL	161.7			25.5		25.5	20.2	5.3
ADEN 001-09W4								
BOW ISLAND B	221.0	<0.01		1.1		1.1	1.1	
FIELD TOTAL	221.0			1.1		1.1	1.1	
AERIAL 029-18W4								
VIKING A	275.0	<0.01		0.6		0.6	0.6	
MANNVILLE TOTAL	1 474.0			163.0	131.0	294.0	277.9	16.1
PRIMARY AREA	286.0	0.07		20.0		20.0		
GAS FLOOD AREA	1 188.0	0.12	0.11	143.0	131.0	274.0		
MANNVILLE B	167.0	0.05		8.4		8.4	0.5	7.9
MANNVILLE C	154.0	0.02		3.1		3.1	1.8	1.3
MANNVILLE D	211.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL	2 281.0			175.2	131.0	306.2	280.9	25.3

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
323	1.86	0.220	0.18	0.81	83	839	54	9 357	-531.3	1 233.3	1952	92 12 - GPP
80	1.28	0.175	0.27	0.85	81	834	54	9 470	-543.7	1 263.8	1954	92 12 - GPP
48	6.81	0.187	0.27	0.84	82	834	56	9 573	-556.1	1 272.5	1954	88 12 - GPP
115	2.76	0.180	0.23	0.84	81	855	52	9 468	-554.4	1 275.5	1950	88 12 - GPP
25	10.97	0.185	0.25	0.80	84	839	52	9 503	-517.0	1 231.4	1960	89 12 - GPP
235	5.63	0.150	0.25	0.84	76	855	54	10 428	-537.8	1 250.9	1951	92 12 - GPP
129	1.74	0.214	0.25	0.80	53	855	54	9 471	-510.8	1 204.0	1950	74 12 - ABAND 74 06
64	3.50	0.170	0.40	0.80	77	840	51	9 006	-514.3	1 214.3	1980	83 12 - ABAND 85 07
16	7.60	0.187	0.27	0.84	82	834	56	9 549	-553.0	1 274.8	1954	88 12 - ABAND 68 01
32	5.30	0.190	0.27	0.84	60	867	55	9 074	-555.8	1 274.2	1983	84 03 - GPP
16	5.50	0.180	0.25	0.84	68	853	56	9 180	-529.5	1 245.8	1951	91 12 - GPP
16	2.74	0.210	0.45	0.84	81	839	49	9 012	-527.0	1 245.5	1955	88 05 - GPP
16	5.18	0.150	0.25	0.84	76	855	54	9 545	-551.9	1 259.3	1969	88 05 - GPP
27	2.70	0.150	0.25	0.84	76	855	54	9 457	-546.0	1 265.7	1951	88 05 - GPP
16	1.70	0.160	0.25	0.84	51	850	54	9 187	-537.7	1 255.2	1952	86 03 - GPP
16	2.70	0.180	0.40	0.84	81	839	49	9 329	-527.5	1 251.4	1965	92 09 - ABAND 92 06
752	3.54	0.170	0.39	0.84	81	839	49	9 291	-520.8	1 236.2	1950	88 12 - GPP
64	4.80	0.190	0.30	0.84	57	840	54	9 513	-567.0	1 275.6	1962	85 12 - GPP
64	5.00	0.210	0.28	0.80	70	835	72	9 215	-536.5	1 239.3	1982	85 12 - GPP
64	6.00	0.220	0.40	0.80	68	845	72	8 735	-513.8	1 191.5	1981	91 12 - GPP
32	1.65	0.190	0.40	0.84	81	840	54	9 331	-605.4	1 321.8	1951	92 10 - GPP
16	2.40	0.230	0.20	0.88	74	857	49	9 167	-584.9	1 301.8	1952	88 04 - GPP
64	3.66	0.190	0.40	0.88	60	840	56	9 352	-608.0	1 328.5	1952	88 12 - GPP
64	2.50	0.210	0.26	0.80	74	804	50	8 477	-584.1	1 295.8	1951	91 10 - GPP
16	28.80	0.090	0.35	0.85	60	885	42	7 949	-611.2	1 314.0	1982	92 11 - GPP
64	8.50	0.040	0.50	0.85	60	885	48	8 377	-665.0	1 380.3	1980	92 09 - GPP
486	8.17	0.034	0.30	0.82	64	834	57	10 994	-689.2	1 395.1	1952	87 12 - GPP
128	6.01	0.024	0.36	0.83	64	834	56	11 114	-705.7	1 420.4	1952	92 08 - GPP
64	7.93	0.060	0.30	0.82	66	834	58	11 112	-710.2	1 427.7	1951	91 07 - GPP
16	4.50	0.040	0.43	0.82	64	835	57		-704.1	1 419.8	1951	93 11 - GPP
1 542	24.12	0.114	0.08	0.76	90	834	60	12 003	-820.2	1 534.9	1950	91 06 - GPP
84	5.51	0.185	0.27	0.80	74	839	52	9 297	-515.7	1 209.1	1953	92 12 - GPP
1 998	3.21	0.180	0.30	0.80	74	839	52	9 425	-532.1	1 235.3	1957	93 05 - GPP
64	3.60	0.184	0.34	0.80	74	857	52	8 914	-532.3	1 240.8	1981	90 12 - GPP
132	4.04	0.200	0.33	0.80	71	845	51	9 305	-535.2	1 238.1	1958	85 09 - GPP
32	6.80	0.200	0.35	0.80	56	854	50	8 710	-528.8	1 229.7	1983	92 12 - GPP
64	2.70	0.180	0.32	0.81	71	845	51	9 299	-547.9	1 247.4	1965	90 02 - GPP
16	2.90	0.160	0.33	0.80	71	839	47	9 409	-529.9	1 239.9	1989	92 07 - ABAND 91 09
64	0.70	0.200	0.33	0.79	83	826	54	9 325	-537.9	1 235.3	1988	92 12 - GPP
16	4.57	0.200	0.20	0.80	62	835	52	8 912	-641.0	1 336.0	1955	76 12 - ABAND 58 03
64	4.57	0.200	0.20	0.80	74	839	50		-640.7	1 335.9	1958	75 12 - ABAND 69 08
16	3.60	0.170	0.25	0.92	26	945	50	9 106	-456.3	1 155.8	1965	89 12 - ABAND 88 08
256	3.63	0.140	0.36	0.82	67	865	49	8 879	-491.6	1 176.5	1971	89 04 - GPP
64	1.80	0.110	0.40	0.90	25	762	63	19 396	-1 286.2	2 093.3	1979	79 08 - GPP
64	1.79	0.130	0.28	0.87	32	824	72	19 387	-1 285.2	2 084.9	1990	92 12 - GPP
128	1.39	0.230	0.40	0.90	21	839	32	4 480	487.4	635.5	1967	85 06 - GPP
64	5.10	0.150	0.25	0.75	125	832	43	8 750	-265.6	1 116.5	1979	83 12 - GPP
391	2.42	0.223	0.20	0.82	78	849	48	10 001	-447.2	1 287.4	1958	92 12 - GPP
310	2.62	0.223	0.20	0.82	73	867	47	9 822	-452.9	1 297.5	1979	91 11 - GPP
64	4.90	0.130	0.50	0.82	112	854	43	9 440	-472.6	1 323.5	1979	92 12 - GPP
16	11.00	0.150	0.22	0.75	78	850	24	7 438	-451.1	1 293.3	1980	89 12 - GPP

TABLE 2-6

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
ALBRIGHT 071-09W6 CHARLIE LAKE A	75.1	0.10		7.5		7.5	4.8	2.7
FIELD TOTAL	75.1			7.5		7.5	4.8	2.7
ALIX 040-23W4 D-2	1 676.0	0.35		587.0		587.0	515.2	71.8
FIELD TOTAL	1 676.0			587.0		587.0	515.2	71.8
ALLIANCE 040-12W4 BLAIRMORE	657.0	0.25		164.0		164.0	115.5	48.5
BLAIRMORE C	97.0	0.15		14.6		14.6	2.5	12.1
FIELD TOTAL	754.0			178.6		178.6	118.0	60.6
ALSIKE 049-02W5 BANFF A	149.0	<0.01		0.3		0.3	0.3	
FIELD TOTAL	149.0			0.3		0.3	0.3	
AMBER 115-07W6 SULPHUR POINT D	158.0	<0.01		0.1		0.1	0.1	
MUSKEG A	14.3	<0.13		1.8		1.8	1.8	
MUSKEG B	162.0	0.30		48.6		48.6	35.3	13.3
MUSKEG C	129.0	0.20		25.8		25.8	16.5	9.3
MUSKEG D	102.0	<0.03		3.0		3.0	3.0	
MUSKEG E	200.0	<0.02		3.3		3.3	3.3	
MUSKEG F	105.0	0.10		10.5		10.5	8.3	2.2
MUSKEG G	236.0	<0.02		2.6		2.6	2.6	
MUSKEG H	79.0	<0.01		0.1		0.1	0.1	
KEG RIVER A	372.0	0.14		52.1		52.1	43.2	8.9
KEG RIVER B	540.0	0.15		81.0		81.0	41.4	39.6
KEG RIVER C	255.0	0.15		38.3		38.3	30.4	7.9
KEG RIVER E	330.0	0.25		82.5		82.5	77.6	4.9
KEG RIVER F	222.0	0.30		66.6		66.6	54.6	12.0
KEG RIVER G	197.0	0.35		69.0		69.0	51.2	17.8
KEG RIVER I	115.0	<0.05		4.8		4.8	4.8	
KEG RIVER J	121.0	<0.01		0.2		0.2	0.2	
KEG RIVER P	300.0	0.10		30.0		30.0	26.2	3.8
KEG RIVER Q	295.0	0.25		73.8		73.8	61.2	12.6
KEG RIVER R	253.0	0.15		38.0		38.0	36.3	1.7
KEG RIVER S	300.0	0.10		30.0		30.0	26.3	3.7
KEG RIVER T	130.0	0.30		39.0		39.0	31.2	7.8
KEG RIVER U	199.0	<0.08		15.8		15.8	15.8	
KEG RIVER V	600.0	<0.02		9.1		9.1	9.1	
KEG RIVER W	241.0	0.20		48.2		48.2	27.4	20.8
KEG RIVER X	44.8	<0.04		1.6		1.6	1.6	
KEG RIVER Y	80.3	0.30		24.1		24.1	8.8	15.3
KEG RIVER AA	300.0	0.10		30.0		30.0	20.3	9.7
KEG RIVER BB	86.3	0.20		17.3		17.3	11.2	6.1
KEG RIVER CC	282.0	0.20		56.4		56.4	41.6	14.8
FIELD TOTAL	6 448.7			903.6		903.6	691.4	212.2
AMELIA 010-27W4 CARDIUM A	60.4	0.10		6.0		6.0	2.4	3.6
FIELD TOTAL	60.4			6.0		6.0	2.4	3.6
AMIGO 120-08W6 MUSKEG A	26.1	<0.04		0.9		0.9	0.9	
MUSKEG B	117.0	<0.05		4.9		4.9	4.9	
KEG RIVER A	100.0	<0.12		11.9		11.9	11.9	
KEG RIVER B	600.0	0.40		240.0		240.0	188.9	51.1
KEG RIVER C	184.0	0.40		73.6		73.6	58.6	15.0
KEG RIVER D	332.0	<0.12		39.5		39.5	39.5	
KEG RIVER E	100.0	0.15		15.0		15.0	9.4	5.6
KEG RIVER F	176.0	0.15		26.4		26.4	18.5	7.9
KEG RIVER G	276.0	0.35		96.6		96.6	66.9	29.7
KEG RIVER H	320.0	<0.03		6.7		6.7	6.7	
KEG RIVER I	70.0	0.16		11.3		11.3	11.3	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
64	1.90	0.090	0.12	0.78	76	832	73	15 658	-1 587.5	2 344.4	1983	84 05 - GPP
1 081	4.73	0.057	0.19	0.71	152	825	59	16 717	-939.6	1 825.5	1956	91 12 - GPP
137 32	3.21 1.77	0.250 0.260	0.35 0.26	0.92 0.89	29 45	898 875	35 35	6 755 5 819	-250.1 -242.0	962.0 955.6	1951 1985	91 12 - GPP 91 11
64	3.50	0.120	0.35	0.85	77	900	64	16 055	-799.4	1 548.7	1980	83 12 - ABAND 88 06
64 2 17 64 16 64 32 64 16 19 38 12 28 14 14 16 4 25 33 16 30 16 16 24 13 16 15 20	9.50 17.50 22.74 10.50 12.70 5.00 5.40 7.68 7.00 43.90 38.04 36.79 39.00 26.35 27.00 24.23 40.23 18.50 21.26 23.60 35.07 12.00 21.20 42.00 35.90 10.85 10.80 26.71 18.56 15.40	0.050 0.060 0.065 0.030 0.070 0.085 0.090 0.071 0.100 0.070 0.060 0.093 0.070 0.097 0.090 0.052 0.120 0.100 0.070 0.100 0.089 0.095 0.070 0.058 0.080 0.100 0.045 0.127	0.36 0.15 0.15 0.20 0.10 0.08 0.10 0.10 0.15 0.15 0.17 0.15 0.40 0.15 0.15 0.25 0.15 0.10 0.23 0.13 0.34 0.10 0.12 0.13 0.20 0.27 0.12 0.10 0.16 0.10	0.81 0.80 0.76 0.80 0.80 0.80 0.75 0.75 0.83 0.75 0.75 0.73 0.72 0.73 0.68 0.77 0.74 0.72 0.78 0.75 0.75 0.72 0.75 0.72 0.75 0.66 0.78 0.82 0.80	76 73 95 64 86 68 139 64 64 110 111 127 125 126 157 152 110 128 93 93 127 138 115 127 107 115 176 53 74 70	838 844 834 800 846 856 820 828 857 825 825 830 825 829 820 820 829 820 826 829 800 806 834 810 820 820 837 823 817 832	68 72 70 82 70 78 72 68 68 72 72 76 76 67 72 72 77 76 73 73 76 71 67 76 83 83 82 82 78 68	13 721 15 187 15 440 14 716 12 160 13 202 14 847 16 687 15 402 15 605 15 651 15 673 15 743 15 543 15 313 15 133 15 260 15 588 15 289 15 525 15 323 15 217 15 343 15 277 15 113 15 060 15 712 15 848 15 625	-1 062.4 -1 145.3 -1 205.3 -1 200.0 -1 153.5 -1 160.0 -1 141.6 -1 142.6 -1 121.0 -1 210.4 -1 204.7 -1 204.0 -1 219.0 -1 196.0 -1 184.0 -1 181.0 -1 217.7 -1 224.0 -1 202.0 -1 216.9 -1 203.4 -1 197.0 -1 204.9 -1 209.0 -1 189.8 -1 205.9 -1 192.5 -1 218.1 -1 245.8 -1 229.0	1 422.5 1 506.8 1 565.0 1 577.3 1 521.8 1 535.1 1 520.3 1 503.4 1 497.0 1 566.1 1 566.2 1 581.6 1 580.1 1 575.8 1 557.8 1 549.0 1 578.6 1 596.9 1 567.5 1 588.3 1 580.8 1 599.0 1 564.4 1 577.8 1 589.0 1 568.0 1 593.6 1 593.6 1 620.5 1 606.0	1989 1968 1968 1982 1983 1983 1984 1984 1987 1968 1968 1968 1968 1968 1969 1969 1969 1982 1982 1983 1983 1984 1984 1985 1985 1986 1987 1984 1984 1985	90 11 71 05 92 11 - GPP 90 11 - GPP 93 10 - ABAND 93 03 88 12 - ABAND 93 03 91 01 - GPP 88 02 - ABAND 89 01 90 11 92 12 - GPP 91 12 - GPP 85 04 - GPP 92 08 - GPP 91 12 - GPP 92 12 - GPP 78 12 - GPP 71 01 89 12 91 12 90 11 - GPP 92 12 93 07 85 03 - ABAND 87 07 89 12 93 07 86 10 - ABAND 87 09 93 09 - GPP 91 05 90 11 91 12 - GPP
64	2.50	0.065	0.30	0.83	70	880	39	25 780	-1 052.8	2 051.3	1980	92 07 - GPP
16 16 6 13 6 16 9 10 29 10 5	3.50 15.85 55.10 96.96 58.17 60.13 38.00 32.11 32.79 52.30 20.80	0.080 0.062 0.054 0.080 0.080 0.060 0.060 0.100 0.060 0.096 0.120	0.13 0.18 0.20 0.15 0.11 0.20 0.25 0.13 0.18 0.09 0.20	0.67 0.90 0.70 0.70 0.74 0.72 0.65 0.63 0.59 0.70 0.70	155 140 130 135 118 146 160 170 233 100 233	808 830 833 804 850 804 814 826 803 816 803	83 78 83 74 71 74 78 71 81 77 81	15 443 14 520 13 941 15 416 16 222 15 371 15 568 16 212 16 859 15 584 16 045	-1 201.0 -1 085.0 -1 231.0 -1 149.3 -1 118.7 -1 198.0 -1 219.6 -1 160.0 -1 208.1 -1 202.2 -1 265.5	1 787.0 1 745.3 1 818.5 1 756.0 1 728.5 1 793.6 1 804.0 1 746.0 1 803.5 1 786.5 1 852.0	1983 1969 1981 1979 1982 1968 1982 1982 1983 1985 1982	88 12 90 12 - GPP 86 09 - ABAND 92 03 86 06 - GPP 85 05 79 12 90 11 93 12 86 06 89 12 86 09

TABLE 2-6

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
AMIGO 120-08W6 (CONTINUED)								
KEG RIVER J	200.0	0.15	0.20	30.0	40.0	70.0	43.4	26.6
WATER FLOOD								
KEG RIVER K	230.0	<0.01		2.1		2.1	2.1	
FIELD TOTAL	2 731.1			558.9	40.0	598.9	463.0	135.9
ANTE CREEK 065-24W5								
DUNVEGAN A	288.0	<0.01		0.7		0.7	0.7	
BEAVERHILL LAKE	5 931.0	0.16	0.32	949.0	1 898.0	2 847.0	2 157.7	689.3
SOLVENT FLOOD								
BEAVERHILL LAKE B	1 670.0	0.35		585.0		585.0	553.1	31.9
GILWOOD A	46.4	<0.01		0.1		0.1	0.1	
FIELD TOTAL *	7 935.4			1 534.8	1 898.0	3 432.8	2 711.6	721.2
ANTE CREEK NORTH 067-23W5								
TRIASSIC A	198.0	<0.01		0.6		0.6	0.6	
FIELD TOTAL	198.0			0.6		0.6	0.6	
ANTELOPE 030-01W4								
DETRITAL C	232.0	0.05		11.6		11.6	2.0	9.6
FIELD TOTAL *	232.0			11.6		11.6	2.0	9.6
ARMADA 017-19W4								
UPPER MANNVILLE A	724.0	0.05		36.2		36.2	18.5	17.7
UPPER MANNVILLE F	286.0	0.05		14.3		14.3	1.3	13.0
BASAL QUARTZ G	107.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL *	1 117.0			50.6		50.6	19.9	30.7
ARMISIE 052-25W4								
BLAIRMORE	2 381.0	0.20		476.0		476.0	390.9	85.1
FIELD TOTAL	2 381.0			476.0		476.0	390.9	85.1
ASTOTIN 054-18W4								
VIKING D	109.0	<0.01		0.4		0.4	0.4	
VIKING H	97.2	0.08		7.8		7.8	6.2	1.6
VIKING I	187.0	<0.01		0.2		0.2	0.2	
FIELD TOTAL	393.2			8.4		8.4	6.8	1.6
ATIKAMIK 084-06W5								
KEG RIVER A	52.0	<0.05		2.2		2.2	2.2	
FIELD TOTAL	52.0			2.2		2.2	2.2	
ATIM 054-27W4								
WABAMUN A	110.0	<0.01		0.4		0.4	0.4	
FIELD TOTAL *	110.0			0.4		0.4	0.4	
BADGER 016-18W4								
UPPER MANNVILLE A	103.0	<0.01		0.4		0.4	0.4	
FIELD TOTAL *	103.0			0.4		0.4	0.4	
BALSAM 082-11W6								
HALFWAY A	102.0	0.10		10.2		10.2	2.3	7.9
FIELD TOTAL	102.0			10.2		10.2	2.3	7.9
BARONS 012-23W4								
COLORADO	280.0	<0.30		83.1		83.1	83.1	
BARONS A	313.0	0.10		31.3		31.3	19.2	12.1
BARONS B	102.0	<0.01		0.4		0.4	0.4	
BOW ISLAND A	65.0	<0.01		0.2		0.2	0.2	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
17	37.60	0.058	0.17	0.65	159	830	70	15 618	-1 156.0	1 758.8	1986	92 05 - GPP
22	27.69	0.070	0.13	0.62	233	811	81	15 880	-1 244.7	1 824.0	1983	92 11 - GPP
64	4.61	0.181	0.35	0.83	62	834	59	10 434	-579.3	1 365.7	1973	74 12 - ABAND 79 02
3 644	6.90	0.063	0.22	0.48	342	806	110	35 684	-2 575.2	3 431.1	1962	89 10 - GPP
1 540	3.90	0.057	0.25	0.65	166	820	103	37 713	-2 628.4	3 389.3	1966	71 02 - GPP
65	2.44	0.090	0.35	0.50	35	806	107	34 904	-2 617.9	3 397.6	1964	65 05 - ABAND 72 10
64	6.27	0.110	0.35	0.69	147	825	59	16 493	-1 105.0	1 879.1	1971	81 01
16	9.50	0.310	0.46	0.91	36	940	35	8 456	-96.3	811.7	1988	90 09
64	7.90	0.208	0.19	0.85	62	896	45	11 820	-345.2	1 197.4	1980	89 12 - GPP
64	7.60	0.160	0.54	0.80	94	835	46	12 708	-397.3	1 250.0	1988	90 05 - GPP
64	2.00	0.160	0.40	0.87	60	871	36	12 406	-373.7	1 213.4	1984	88 12 - ABAND 89 03
431	5.39	0.190	0.35	0.83	79	834	49	9 653	-560.4	1 246.7	1951	92 02 - GPP
64	1.50	0.210	0.40	0.90	41	864	23	4 649	-16.4	683.3	1981	88 12 - GPP
32	2.20	0.250	0.40	0.92	30	846	28	5 275	-15.2	687.6	1983	92 12 - GPP
64	2.20	0.240	0.40	0.92	30	846	28	5 659	-8.5	681.1	1984	88 12 - ABAND 86 02
32	2.20	0.140	0.34	0.80	84	846	36	17 087	-959.5	1 559.5	1985	92 06 - ABAND 92 01
16	6.50	0.180	0.30	0.84	61	839	54	6 289	-600.0	1 326.8	1992	93 08 - ABAND 92 12
65	1.22	0.230	0.35	0.87	51	881	54	12 344	-315.1	1 125.9	1974	76 04 - ABAND 89 09
64	2.60	0.120	0.38	0.82	76	839	56	14 097	-735.2	1 371.4	1992	93 02
221	0.82	0.227	0.20	0.85	51	855	37	4 137	-273.3	1 253.6	1950	75 12 - ABAND 85 10
192	1.88	0.170	0.40	0.85	62	857	35	5 328	-390.8	1 349.6	1974	91 12 - GPP
64	1.83	0.170	0.40	0.85	62	856	36	5 328	-393.0	1 352.1	1987	90 12
65	1.52	0.140	0.50	0.94	23	855	34	5 097	-346.6	1 307.9	1973	74 12 - ABAND 76 09

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
BARONS 012-23W4 (CONTINUED) FIELD TOTAL	760.0			115.0		115.0	102.9	12.1
BASHAW 041-23W4								
BASAL MANNVILLE J	146.0	<0.01		1.3		1.3	1.3	
BASAL MANNVILLE CC	104.0	0.10		10.4		10.4	1.1	9.3
D-2 A	992.0	<0.03		25.0		25.0	22.8	2.2
D-2 B	1 800.0	0.35		630.0		630.0	397.8	232.2
D-2 C WATER FLOOD	1 200.0	0.35	0.15	420.0	180.0	600.0	177.4	422.6
D-2 D	356.0	0.30		107.0		107.0	56.2	50.8
D-2 E	526.0	0.35		184.0		184.0	54.6	129.4
D-2 F	644.0	0.35		225.0		225.0	107.6	117.4
D-2 G WATER FLOOD	3 308.0	0.20	0.20	662.0	662.0	1 324.0	220.5	1 103.5
D-2 H WATER FLOOD	850.0	0.35	0.15	298.0	127.0	425.0	57.8	367.2
D-2 I	503.0	0.30		151.0		151.0	36.4	114.6
D-2 L	949.0	0.20		190.0		190.0		190.0
IRETON A	416.0	0.08		33.3		33.3	29.6	3.7
D-3 A	2 142.0	0.30		643.0		643.0	573.6	69.4
D-3 B	264.0	0.12		31.7		31.7	25.4	6.3
D-3 C	160.0	<0.01		0.1		0.1	0.1	
D-3 D	57.8	<0.01		0.1		0.1	0.1	
FIELD TOTAL	14 417.8			3 611.9	969.0	4 580.9	1 762.3	2 818.6
BASSANO 021-18W4								
UPPER MANNVILLE E	22.1	0.10		2.2		2.2	0.4	1.8
UPPER MANNVILLE F	300.0	0.10		30.0		30.0	2.6	27.4
OSTRACOD A	136.0	<0.01		1.0		1.0	1.0	
FIELD TOTAL	458.1			33.2		33.2	4.0	29.2
BATTLE 046-20W4								
VIKING	824.0	0.22		181.0		181.0	172.6	8.4
FIELD TOTAL	824.0			181.0		181.0	172.6	8.4
BATTLE NORTH 046-20W4								
VIKING	242.0	<0.27		63.8		63.8	63.8	
FIELD TOTAL	242.0			63.8		63.8	63.8	
BATTLE SOUTH 045-20W4								
VIKING	937.0	0.23		216.0		216.0	206.9	9.1
FIELD TOTAL	937.0			216.0		216.0	206.9	9.1
BEATON 087-02W6								
WABAMUN A	102.0	0.10		10.2		10.2	3.2	7.0
GILWOOD A	487.0	<0.08		35.5		35.5	35.5	
FIELD TOTAL	589.0			45.7		45.7	38.7	7.0
BEAVERHILL LAKE 052-19W4								
UPPER VIKING F	150.0	<0.01		0.4		0.4	0.4	
FIELD TOTAL	150.0			0.4		0.4	0.4	
BEAVERLODGE 072-10W6								
CHARLIE LAKE A	220.0	<0.01		1.2		1.2	1.2	
FIELD TOTAL	220.0			1.2		1.2	1.2	
BELLOY 078-01W6								
BELLOY A	68.5	0.15		10.3		10.3	10.3	
BELLOY B	78.2	0.10		7.8		7.8	3.9	3.9
DEBOLT A,B & C	139.0	0.10		13.9		13.9	8.9	5.0
D-1 A	165.0	0.20		33.0		33.0	22.0	11.0
D-1 B	712.0	0.20		142.0		142.0	67.3	74.7
D-1 C	46.4	<0.13		5.7		5.7	5.7	
D-1 D	542.0	0.15		81.3		81.3	41.3	40.0
D-1 G	67.0	0.10		6.7		6.7	4.4	2.3

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
64	2.70	0.170	0.40	0.83	76	844	42	10 680	-638.7	1 478.7	1978	85 12 - ABAND 88 06
32	4.00	0.160	0.40	0.85	64	852	48	10 482	-611.0	1 400.9	1988	92 07 - GPP
903	4.82	0.037	0.20	0.77	93	844	57	16 421	-837.2	1 714.3	1951	88 12 - GPP
429	5.90	0.110	0.16	0.77	88	830	62	12 938	-926.5	1 806.7	1973	87 12 - GPP
128	20.00	0.072	0.12	0.74	107	825	70	14 258	-896.6	1 750.0	1987	93 04 - GPP
64	8.22	0.110	0.19	0.76	107	826	70	12 887	-920.7	1 780.8	1987	93 11 - GPP
128	6.99	0.090	0.14	0.76	107	825	70	12 301	-905.6	1 783.3	1988	90 01
128	8.55	0.090	0.14	0.76	107	825	70	12 525	-897.2	1 780.3	1988	92 05
704	6.78	0.100	0.10	0.77	92	835	51	16 785	-887.0	1 727.8	1989	93 12 - GPP
116	6.62	0.160	0.09	0.76	107	826	70	12 450	-898.7	1 769.8	1991	93 07 - GPP
64	15.20	0.080	0.15	0.76	107	825	70	12 560	-895.3	1 763.7	1990	91 07
240	6.27	0.100	0.17	0.76	107	825	70	15 953	-890.7	1 730.3	1992	93 07
64	15.70	0.074	0.30	0.80	76	910	51	16 352	-851.6	1 714.8	1963	92 12 - GPP
1 936	2.97	0.067	0.17	0.67	163	825	58	16 171	-876.3	1 756.7	1951	91 10 - GPP
130	4.72	0.077	0.20	0.70	142	829	58	15 380	-880.6	1 751.3	1965	92 12 - GPP
64	4.00	0.110	0.15	0.67	163	827	58	12 264	-864.1	1 696.4	1985	85 09
64	2.50	0.070	0.23	0.67	163	895	54	12 716	-903.9	1 736.2	1986	86 10
16	1.40	0.200	0.42	0.85	62	875	37	10 037	-425.1	1 278.8	1991	91 11
32	5.19	0.250	0.17	0.87	56	868	37	10 524	-433.3	1 258.6	1992	93 06
64	1.80	0.210	0.34	0.85	68	883	31	9 657	-396.1	1 179.1	1984	84 11
574	1.82	0.146	0.40	0.90	35	839	37	5 797	-240.9	981.6	1953	91 12 - GPP
194	1.54	0.150	0.40	0.90	35	839	37	5 954	-243.2	990.2	1954	89 12 - GPP
451	2.53	0.152	0.40	0.90	35	839	37	5 926	-236.0	966.0	1954	90 11 - GPP
64	5.79	0.050	0.19	0.67	160	876	62	15 891	-958.8	1 654.0	1974	81 12
65	7.32	0.200	0.20	0.64	283	833	55	19 534	-1 386.4	2 105.4	1955	75 12 - ABAND 68 05
64	2.00	0.200	0.35	0.90	29	864	38	5 271	-99.0	794.0	1978	85 12 - ABAND 83 07
64	6.20	0.095	0.20	0.73	115	820	77	21 267	-1 562.2	2 331.0	1988	89 03 - ABAND 89 04
64	1.70	0.110	0.31	0.83	66	868	45	12 488	-678.9	1 257.7	1951	92 09 - ABAND 92 07
64	2.00	0.130	0.39	0.77	100	885	40	11 516	-671.8	1 248.7	1985	85 08 - GPP
64	1.50	0.280	0.39	0.85	52	853	47		-912.8	1 493.7	1972	92 12 - GPP
32	26.30	0.030	0.13	0.75	145	865	65	17 852	-1 502.6	2 078.8	1984	90 12 - GPP
128	35.65	0.026	0.23	0.78	111	884	60	22 029	-1 473.1	2 047.8	1986	90 12 - GPP
32	6.80	0.040	0.29	0.75	96	850	67	22 206	-1 497.1	2 074.8	1985	90 12 - ABAND 89 11
64	55.00	0.026	0.25	0.79	88	838	56	22 964	-1 550.6	2 126.5	1987	90 12 - GPP
8	23.46	0.071	0.25	0.67	89	858	71	20 929	-1 428.0	2 002.7	1987	90 12 - GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
BELLOY 078-01W6 (CONTINUED)								
D-1 H	186.0	0.20		37.2		37.2	22.5	14.7
D-1 I	171.0	0.10		17.1		17.1	9.5	7.6
D-1 J	249.0	0.15		37.4		37.4	19.0	18.4
D-1 K	375.0	0.15		56.3		56.3	23.5	32.8
D-1 L	222.0	0.35		77.7		77.7	48.9	28.8
D-1 M	183.0	0.20		36.6		36.6	22.4	14.2
D-1 N	291.0	<0.02		3.1		3.1	3.1	
D-1 O	176.0	0.12		21.1		21.1	17.5	3.6
D-1 P	184.0	0.10		18.4		18.4	11.8	6.6
D-1 Q	172.0	<0.03		3.9		3.9	3.9	
D-1 R	73.9	<0.02		0.8		0.8	0.8	
D-1 S	66.0	0.35		23.1		23.1	9.3	13.8
D-1 T	392.0	0.10		39.2		39.2	30.6	8.6
D-1 U	99.3	0.25		24.8		24.8	13.6	11.2
D-1 V	101.0	0.10		10.1		10.1	7.1	3.0
D-1 W	265.0	0.10		26.5		26.5	0.2	26.3
D-1 X	81.3	<0.01		0.1		0.1	0.1	
D-1 Y	112.0	0.35		39.2		39.2	10.9	28.3
D-1 Z	171.0	0.35		59.9		59.9	13.7	46.2
D-1 AA	75.4	0.20		15.1		15.1	0.2	14.9
D-1 BB	224.0	0.35		78.4		78.4	40.1	38.3
D-1 CC	208.0	<0.02		2.3		2.3	2.3	
FIELD TOTAL	5 896.0			929.0		929.0	474.8	454.2
BELLSHILL LAKE 041-12W4								
UPPER VIKING A	67.7	<0.01		0.2		0.2	0.2	
BLAIRMORE	37 380.0	0.45		16 820.0		16 820.0	12 905.7	3 914.3
BLAIRMORE E	1 400.0	0.02		28.0		28.0	11.6	16.4
BLAIRMORE F	31.3	<0.01		0.3		0.3	0.3	
BLAIRMORE G	214.0	0.10		21.4		21.4	4.6	16.8
BLAIRMORE H	141.0	0.10		14.1		14.1	7.3	6.8
BLAIRMORE I	123.0	0.10		12.3		12.3	3.8	8.5
ELLERSLIE A	3 742.0	0.15		561.0		561.0	142.0	419.0
ELLERSLIE C	51.1	<0.01		0.1		0.1	0.1	
ELLERSLIE D	276.0	0.05		13.8		13.8	4.5	9.3
FIELD TOTAL	43 426.1			17 471.2		17 471.2	13 080.1	4 391.1
BERRY 027-12W4								
UPPER MANNVILLE C	1 175.0	0.07		82.3		82.3	68.8	13.5
UPPER MANNVILLE V	209.0	0.05		10.5		10.5		10.5
LOWER MANNVILLE L	19.0	0.15		2.9		2.9	1.6	1.3
FIELD TOTAL *	1 403.0			95.7		95.7	70.4	25.3
BIGORAY 052-08W5								
BELLY RIVER A	239.0	<0.01		2.2		2.2	2.2	
CARDIUM B TOTAL	3 442.0			344.0	770.0	1 114.0	956.4	157.6
PRIMARY AREA	364.0	0.10		36.4		36.4		
WATER FLOOD AREA	3 078.0	0.10	0.25	308.0	770.0	1 078.0		
OSTRACOD TOTAL	2 908.0			349.0	515.0	864.0	838.1	25.9
PRIMARY AREA	458.0	0.12		55.0		55.0		
WATER FLOOD AREA	2 450.0	0.12	0.21	294.0	515.0	809.0		
OSTRACOD B	321.0	<0.02		4.4		4.4	4.4	
OSTRACOD E	61.5	<0.01		0.3		0.3	0.3	
OSTRACOD G	1 604.0	0.25		401.0		401.0	23.8	377.2
ELLERSLIE A	266.0	0.02		5.3		5.3	4.2	1.1
ELLERSLIE B	277.0	0.10		27.7		27.7	9.5	18.2
ELLERSLIE D TOTAL	1 095.0			110.0	190.0	300.0	170.4	129.6
PRIMARY AREA	145.0	0.10		14.5		14.5		
WATER FLOOD AREA	950.0	0.10	0.20	95.0	190.0	285.0		
ELLERSLIE E	142.0	0.10		14.2		14.2	12.4	1.8
ELLERSLIE G	1 321.0	0.13		172.0		172.0	123.7	48.3
ELLERSLIE J	24.5	0.15		3.7		3.7	0.8	2.9
ROCK CREEK A	187.0	<0.03		5.1		5.1	5.1	
ROCK CREEK B	37.0	<0.01		0.1		0.1	0.1	
ROCK CREEK C	130.0	<0.05		5.5		5.5	5.5	
NISKU A WATER FLOOD	737.0	0.30	0.15	222.0	111.0	333.0	284.7	48.3

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
32	22.59	0.044	0.25	0.78	111	841	60	21 080	-1 447.0	2 022.3	1988	90 12 - GPP
16	40.30	0.040	0.16	0.79	80	827	69	22 697	-1 520.6	2 123.1	1988	90 12
40	27.30	0.037	0.21	0.78	111	841	60	21 344	-1 429.6	2 005.4	1988	90 12 - GPP
32	43.80	0.044	0.22	0.78	111	841	60	22 567	-1 527.2	2 143.2	1988	90 12
64	33.60	0.019	0.19	0.67	163	832	64	22 546	-1 515.2	2 096.0	1988	90 12 - GPP
32	25.80	0.033	0.14	0.78	111	841	60	22 050	-1 501.7	2 075.1	1988	90 08
8	84.00	0.060	0.13	0.83	111	849	60	20 275	-1 428.0	2 000.4	1989	92 11 - GPP
16	43.00	0.040	0.18	0.78	111	841	60	21 746	-1 482.0	2 054.5	1989	92 08
16	50.40	0.037	0.22	0.79	99	852	57	22 518	-1 510.9	2 088.4	1989	92 08 - GPP
16	55.70	0.037	0.33	0.78	111	824	60	20 561	-1 461.5	2 034.8	1989	92 04 - ABAND 92 01
16	101.50	0.010	0.35	0.70	144	824	69	21 708	-1 548.0	2 134.3	1990	92 09 - ABAND 92 01
32	45.50	0.010	0.42	0.78	111	884	60	20 593	-1 488.1	2 062.8	1990	91 04
16	84.80	0.050	0.26	0.78	111	884	60	21 990	-1 533.4	2 107.4	1990	92 08
16	20.80	0.051	0.26	0.79	102	851	72	22 494	-1 533.0	2 141.6	1990	91 05 - GPP
16	22.20	0.050	0.28	0.79	102	851	72	21 394	-1 482.8	2 054.4	1990	92 08
32	29.10	0.050	0.28	0.79	102	851	72	21 181	-1 408.0	1 982.5	1990	91 09
16	19.33	0.045	0.26	0.79	102	851	72	23 209	-1 569.5	2 160.3	1990	91 08 - ABAND 90 10
64	7.80	0.040	0.29	0.79	102	851	72	23 852	-1 551.0	2 124.5	1990	91 12
32	30.00	0.030	0.24	0.78	111	832	60	22 503	-1 548.4	2 121.3	1990	91 04
32	10.50	0.040	0.29	0.79	102	793	72	23 852	-1 551.1	2 179.8	1986	91 10
64	12.80	0.050	0.30	0.78	111	832	60	22 607	-1 522.0	2 087.7	1991	93 12
16	90.40	0.030	0.40	0.80	83	864	68	20 179	-1 416.0	1 986.3	1984	85 02 - ABAND 86 07
64	0.93	0.250	0.50	0.91	37	849	27	5 603	-70.8	767.6	1957	75 12 - ABAND 84 07
2 302	8.74	0.270	0.26	0.93	29	892	34	6 541	-208.3	955.2	1955	93 12 - GPP
218	4.60	0.200	0.25	0.93	28	899	32	6 318	-222.6	956.9	1977	89 12 - GPP
16	2.00	0.150	0.30	0.93	26	866	33	6 028	-197.0	921.5	1979	85 12 - GPP
64	4.00	0.150	0.40	0.93	26	894	30	5 798	-213.3	980.8	1985	86 06 - GPP
32	3.00	0.250	0.38	0.95	16	908	34	5 735	-217.9	928.0	1989	89 11 - GPP
16	5.00	0.210	0.24	0.96	13	894	31	5 680	-201.1	981.5	1989	90 03 - GPP
413	4.51	0.270	0.20	0.93	28	913	33	6 714	-266.5	992.8	1983	92 10 - GPP
16	1.60	0.280	0.25	0.95	40	922	34	6 479	-238.9	984.8	1984	81 12 - ABAND 87 10
32	5.40	0.240	0.30	0.95	16	908	34	5 936	-223.7	919.2	1989	89 12 - GPP
490	2.43	0.190	0.41	0.88	49	828	43	10 869	-309.0	1 096.5	1980	91 12 - GPP
89	2.15	0.210	0.41	0.88	49	840	43	9 548	-289.6	1 071.5	1990	93 09
9	1.80	0.190	0.35	0.95	40	868	36	9 734	-305.6	1 076.0	1990	91 01 - GPP
64	4.00	0.195	0.45	0.87	54	822	34	7 917	-206.1	1 084.1	1987	89 12 - ABAND 90 03
1 106	3.81	0.050	0.15	0.90	50	872	49	14 648	-554.5	1 419.3	1978	89 12
250	4.47	0.109	0.18	0.90								- GPP
856												
1 290	1.57	0.187	0.30	0.76	111	839	59	17 310	-982.9	1 798.7	1959	90 12
293	2.47	0.187	0.30	0.76								- GPP
997	4.00	0.220	0.25	0.76	120	834	60	17 745	-994.3	1 841.6	1968	81 12 - ABAND 80 10
64	2.80	0.140	0.43	0.86	52	839	44	16 252	-809.7	1 591.5	1991	92 07 - ABAND 92 03
392	4.21	0.150	0.21	0.82	66	733	63	17 552	-1 018.2	1 878.2	1985	93 09
64	4.00	0.190	0.30	0.78	89	839	60	16 114	-950.5	1 785.3	1979	81 12 - GPP
64	2.44	0.320	0.29	0.78	25	853	50	13 903	-984.2	1 816.6	1974	80 09
512	3.30	0.133	0.31	0.75	111	833	64	16 321	-972.9	1 826.0	1979	89 01
64	3.51	0.130	0.38	0.75								- GPP
448	3.24	0.137	0.39	0.82	70	843	65	14 564	-977.0	1 821.6	1979	80 10 - GPP
448	5.09	0.120	0.32	0.71	113	853	50	16 629	-944.2	1 797.5	1977	93 12 - GPP
64	0.50	0.140	0.24	0.72	139	835	64	15 267	-998.3	1 878.5	1980	91 07
64	3.00	0.200	0.30	0.70	135	840	62	16 555	-926.5	1 780.2	1977	82 03 - GPP
80	1.50	0.110	0.60	0.70	121	840	57	15 192	-934.4	1 777.0	1979	85 07 - GPP
93	2.19	0.140	0.35	0.70	121	840	57	15 832	-922.1	1 765.1	1979	89 12 - GPP
66	30.50	0.062	0.28	0.82	73	847	73	20 235	-1 480.0	2 344.1	1978	81 02 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
BIGORAY 052-08W5 (CONTINUED)								
NISKU B SOLVENT FLOOD	1 500.0	0.30	0.30	450.0	450.0	900.0	789.4	110.6
NISKU C WATER FLOOD	1 200.0	0.35	0.11	420.0	132.0	552.0	260.3	291.7
NISKU D WATER FLOOD	2 200.0	0.40	0.10	880.0	220.0	1 100.0	559.0	541.0
NISKU E WATER FLOOD	2 001.0	0.35	0.10	700.0	200.0	900.0	550.5	349.5
NISKU F SOLVENT FLOOD	2 800.0	0.40	0.36	1 120.0	1 010.0	2 130.0	1 918.6	211.4
NISKU G WATER FLOOD	924.0	0.30	0.20	277.0	185.0	462.0	421.5	40.5
NISKU H WATER FLOOD	2 200.0	0.30	0.12	660.0	264.0	924.0	802.0	122.0
NISKU I WATER FLOOD	600.0	<0.34	0.10	200.0	60.0	260.0	185.5	74.5
NISKU K WATER FLOOD	870.0	0.30	0.22	261.0	191.0	452.0	420.5	31.5
FIELD TOTAL *	27 087.0			6 634.5	4 298.0	10 932.5	8 348.9	2 583.6
BIGSTONE 060-22W5								
CARDIUM A	16.1	<0.02		0.3		0.3	0.3	
CARDIUM B	149.0	0.10		14.9		14.9	8.7	6.2
CARDIUM C	98.7	0.20		19.7		19.7	13.8	5.9
FIELD TOTAL	263.8			34.9		34.9	22.8	12.1
BILAWCHUK 080-09W6								
HALFWAY A	394.0	<0.01		0.2		0.2	0.2	
FIELD TOTAL	394.0			0.2		0.2	0.2	
BILBO 065-06W6								
A CARDIUM A	939.0	0.20		188.0		188.0	102.1	85.9
A CARDIUM B	169.0	0.10		16.9		16.9	14.2	2.7
FIELD TOTAL	1 108.0			204.9		204.9	116.3	88.6
BITTERN LAKE 046-22W4								
NISKU A	180.0	<0.01		0.2		0.2	0.2	
FIELD TOTAL	180.0			0.2		0.2	0.2	
BLACK 110-09W6								
MUSKEG A	150.0	0.40		60.0		60.0	43.8	16.2
MUSKEG C	360.0	0.15		54.0		54.0	37.5	16.5
MUSKEG D	55.6	<0.05		2.7		2.7	2.7	
KEG RIVER A WATER FLOOD	2 860.0	0.15	0.10	429.0	286.0	715.0	679.6	35.4
KEG RIVER B	111.0	0.05		5.5		5.5	3.3	2.2
KEG RIVER C	95.0	0.10		9.5		9.5	1.9	7.6
FIELD TOTAL	3 631.6			560.7	286.0	846.7	768.8	77.9
BLACKFOOT 022-23W4								
LOWER MANNVILLE A	106.0	0.20		21.2		21.2	16.4	4.8
FIELD TOTAL	106.0			21.2		21.2	16.4	4.8
BONANZA 081-11W6								
BOUNDARY A TOTAL	6 059.0			761.0	739.0	1 500.0	577.4	922.6
PRIMARY AREA	149.0	0.15		22.4		22.4		
WATER FLOOD AREA	5 910.0	0.12	0.12	739.0	739.0	1 478.0		
BOUNDARY C	161.0	0.10		16.1		16.1	3.0	13.1
DOIG A	1 470.0	0.05		73.5		73.5	34.0	39.5
DOIG B	1 021.0	0.05		51.1		51.1	10.3	40.8
DOIG C	1 020.0	0.05		51.0		51.0		51.0
FIELD TOTAL	9 731.0			952.7	739.0	1 691.7	624.7	1 067.0
BONNIE GLEN 046-27W4								
CARDIUM A	4 130.0	0.05		207.0		207.0	203.8	3.2
D-2 A	138.0	<0.08		9.8		9.8	9.8	
D-3 A	125 000.0	<0.66		82 000.0		82 000.0	81 642.4	357.6
FIELD TOTAL	129 268.0			82 216.8		82 216.8	81 856.0	360.8

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
67	49.24	0.067	0.22	0.87	71	834	76	21 832	-1 486.9	2 343.1	1978	81 06 - GPP
82	32.96	0.075	0.26	0.80	106	860	79	22 073	-1 538.3	2 430.1	1978	87 05 - GPP
190	18.48	0.088	0.11	0.80	84	841	80	29 195	-1 640.3	2 496.8	1978	79 04 - GPP
100	45.76	0.060	0.10	0.81	56	835	80	28 558	-1 635.5	2 495.4	1978	81 12 - GPP
52	65.79	0.110	0.07	0.80	71	834	78	22 120	-1 562.9	2 404.7	1977	87 07 - GPP
67	20.20	0.120	0.28	0.79	88	835	74	20 432	-1 489.5	2 340.2	1978	88 12 - GPP
58	45.89	0.120	0.18	0.84	50	842	73	18 782	-1 435.1	2 286.3	1978	83 01 - GPP
51	24.74	0.092	0.32	0.76	100	840	73	18 056	-1 444.4	2 288.3	1978	81 11 - GPP
43	40.05	0.081	0.23	0.81	63	848	69	19 449	-1 455.5	2 301.2	1979	91 12 - GPP
64	0.93	0.074	0.47	0.69	148	821	64	15 806	-674.3	1 706.7	1987	92 10
64	3.69	0.100	0.17	0.76	110	865	49	16 125	-714.2	1 821.2	1976	76 12 - GPP
64	4.20	0.070	0.31	0.76	150	852	60	16 157	-708.1	1 822.5	1980	92 12 - GPP
64	12.51	0.113	0.42	0.75	100	844	61	11 113	-754.4	1 485.5	1983	88 12 - ABAND 90 02
1 294	1.20	0.120	0.37	0.80	75	803	45	12 714	-557.4	1 507.4	1985	93 12 - GPP
192	1.80	0.100	0.35	0.75	120	835	43	14 551	-523.9	1 377.0	1979	88 05 - GPP
64	7.50	0.080	0.45	0.85	55	875	41	10 276	-631.3	1 373.5	1982	82 07
64	7.54	0.060	0.30	0.74	62	829	85	16 113	-1 261.0	1 922.7	1968	92 12 - GPP
48	15.27	0.079	0.16	0.74	96	830	84	16 115	-1 250.0	1 863.1	1967	86 11
16	8.80	0.060	0.11	0.74	98	820	76	14 925	-1 226.3	1 599.5	1984	90 12 - ABAND 89 02
80	82.00	0.078	0.14	0.65	160	806	91	18 869	-1 394.7	1 997.2	1967	79 12 - GPP
10	30.50	0.070	0.20	0.65	160	806	85	16 571	-1 300.7	1 742.2	1968	90 12 - GPP
16	12.00	0.075	0.12	0.75	86	832	74	16 175	-1 283.3	1 925.0	1988	90 12 - GPP
128	0.92	0.150	0.25	0.80	83	845	43	12 776	-627.3	1 540.2	1963	80 03 - GPP
2 570					62	862	54	13 575	-747.0	1 382.0	1973	89 12
64	2.40	0.210	0.45	0.84								
2 506	2.60	0.150	0.28	0.84								
64	2.68	0.130	0.14	0.84	62	835	53	12 029	-723.5	1 323.8	1990	91 04 - GPP
251	8.10	0.130	0.33	0.83	76	845	58	13 723	-801.6	1 474.3	1989	93 08
128	10.56	0.140	0.35	0.83	76	845	58	13 182	-800.5	1 466.3	1990	91 04
128	10.00	0.120	0.20	0.83	75	845	58		-791.0	1 449.2	1992	92 06 - GPP
1 318	3.26	0.130	0.16	0.88	41	834	49	14 217	-299.7	1 180.2	1955	83 12 - GPP
67	6.28	0.057	0.20	0.72	124	815	76	14 359	-1 041.4	1 954.1	1952	71 12 - ABAND 71 10
3 120	59.13	0.106	0.06	0.68	141	815	81	17 308	-1 268.2	2 142.7	1952	91 12 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
BOUNDARY LAKE SOUTH 085-13W6								
TRIASSIC B	131.0	<0.01		0.2		0.2	0.2	
TRIASSIC C TOTAL	3 586.0			413.0	324.0	737.0	474.8	262.2
PRIMARY AREA	886.0	0.10		88.6		88.6		
WATER FLOOD AREA	2 700.0	0.12	0.12	324.0	324.0	648.0		
TRIASSIC E TOTAL	12 840.0			1 213.0	2 790.0	4 003.0	3 345.2	657.8
PRIMARY AREA	3 537.0	0.08		283.0		283.0		
WATER FLOOD AREA	9 300.0	0.10	0.30	930.0	2 790.0	3 720.0		
TRIASSIC F	50.0	<0.01		0.2		0.2	0.2	
TRIASSIC G	171.0	0.10		17.1		17.1	1.7	15.4
TRIASSIC H TOTAL	3 655.0			366.0	578.0	944.0	434.0	510.0
PRIMARY AREA	445.0	0.10		44.5		44.5		
WATER FLOOD AREA	3 210.0	0.10	0.18	321.0	578.0	899.0		
TRIASSIC I	475.6	0.10		47.5		47.5	28.0	19.5
TRIASSIC J	193.0	0.13		25.1		25.1	17.1	8.0
TRIASSIC M	112.0	0.05		5.6		5.6	0.3	5.3
TRIASSIC N	2 352.0	0.15		353.0		353.0	81.7	271.3
CHARLIE LAKE A	231.0	0.08		18.5		18.5	10.9	7.6
BOUNDARY A	523.0	0.15		78.5		78.5	65.0	13.5
BOUNDARY C	90.8	<0.01		0.1		0.1	0.1	
BOUNDARY D	709.0	0.10		70.9		70.9	14.9	56.0
FIELD TOTAL	25 119.4			2 608.7	3 692.0	6 300.7	4 474.1	1 826.6
BRANT 019-25W4								
ELLERSLIE A	12.0	0.01		0.1		0.1	0.1	
TURNER VALLEY A	103.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL	115.0			0.2		0.2	0.2	
BRAZEAU RIVER 046-13W5								
BELLY RIVER A	94.1	<0.02		1.4		1.4	1.4	
BELLY RIVER C	1 000.0	0.15		150.0		150.0	90.4	59.6
BELLY RIVER D	194.0	0.10		19.4		19.4	10.3	9.1
BELLY RIVER G	113.0	<0.02		1.8		1.8	1.8	
BELLY RIVER I	127.0	<0.01		0.2		0.2	0.2	
BELLY RIVER M	53.5	<0.01		0.2		0.2	0.2	
BELLY RIVER O	600.0	0.05		30.0		30.0	6.4	23.6
BELLY RIVER P	186.0	0.10		18.6		18.6	1.3	17.3
BELLY RIVER Q	262.0	0.05		13.1		13.1	5.2	7.9
BELLY RIVER S	63.1	<0.01		0.4		0.4	0.4	
BELLY RIVER T	133.0	0.10		13.3		13.3	0.7	12.6
BELLY RIVER U	151.0	0.10		15.1		15.1	5.9	9.2
BELLY RIVER V	78.5	0.10		7.9		7.9	5.6	2.3
BELLY RIVER W	171.0	0.10		17.1		17.1	6.5	10.6
BELLY RIVER X	1 265.0	0.10		127.0		127.0	39.5	87.5
BELLY RIVER Z	269.0	<0.01		0.3		0.3	0.3	
BELLY RIVER AA	113.0	0.05		5.7		5.7	1.3	4.4
BELLY RIVER BB	113.0	0.15		17.0		17.0	15.1	1.9
BELLY RIVER FF	2 501.0	0.15	0.10	375.0	250.0	625.0	131.4	493.6
WATER FLOOD								
BELLY RIVER II	1 942.0	0.10		194.0		194.0	87.8	106.2
BELLY RIVER JJ	263.0	0.05		13.2		13.2	1.5	11.7
BELLY RIVER KK	178.0	0.10		17.8		17.8	7.6	10.2
BELLY RIVER LL	328.0	0.05		16.4		16.4	4.5	11.9
BELLY RIVER MM	137.0	0.02		2.7		2.7	1.2	1.5
BELLY RIVER NN	71.4	0.10		7.1		7.1	1.0	6.1
BELLY RIVER OO	93.7	<0.01		0.3		0.3	0.3	
BELLY RIVER PP	165.0	0.10		16.5		16.5	2.4	14.1
BELLY RIVER QQ	602.0	0.05		30.1		30.1	11.3	18.8
BELLY RIVER RR	224.0	0.10		22.4		22.4	5.6	16.8
BELLY RIVER SS	148.0	0.05		7.4		7.4	0.2	7.2
BELLY RIVER TT	75.5	0.10		7.6		7.6	0.2	7.4
BELLY RIVER UU	226.0	0.10		22.6		22.6	9.0	13.6
BELLY RIVER VV	247.0	0.10		24.7		24.7	5.6	19.1
BELLY RIVER ZZ	212.0	0.10		21.2		21.2	2.0	19.2
BELLY RIVER H & Y	4 745.0			712.0	127.0	839.0	409.2	429.8
TOTAL								
PRIMARY AREA	3 900.0	0.15		585.0		585.0		
WATER FLOOD AREA	845.0	0.15	0.15	127.0	127.0	254.0		
BELLY RIVER CC & DD	60.8	0.05		3.0		3.0	2.6	0.4

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
65	1.83	0.197	0.25	0.75	98	844	46	13 100	-647.0	1 385.5	1965	68 03 - ABAND 67 09
879					110	844	48	12 487	-535.2	1 274.4	1963	82 08
192	3.18	0.206	0.12	0.80								
687	2.57	0.210	0.09	0.80								
5 483					92	846	47	12 930	-610.8	1 331.9	1964	92 05 - GPP
2 128	1.65	0.150	0.15	0.79								
3 355	2.55	0.160	0.14	0.79								
64	0.61	0.175	0.05	0.77	106	844	46	12 651	-572.8	1 317.7	1964	80 04
64	3.00	0.160	0.33	0.83	261	816	55	11 190	-583.9	1 315.6	1967	92 12
1 565					92	844	49	12 845	-608.1	1 282.8	1973	88 08
64	4.99	0.196	0.10	0.79								
1 501	1.99	0.160	0.15	0.79								- GPP
192	2.08	0.175	0.18	0.83	62	844	47	12 332	-545.9	1 300.9	1977	80 11
64	2.30	0.210	0.21	0.79	183	838	47	6 204	-582.8	1 326.6	1988	93 12 - GPP
32	3.60	0.160	0.25	0.81	76	814	66	12 307	-660.2	1 408.3	1990	91 04
796	3.71	0.140	0.28	0.79	183	838	47	10 246	-581.4	1 280.4	1991	93 11 - GPP
64	2.50	0.210	0.15	0.81	36	927	42	11 189	-546.5	1 291.3	1983	93 12 - GPP
553	0.77	0.170	0.13	0.83	90	844	50	11 554	-561.1	1 285.2	1983	92 03
64	1.60	0.120	0.11	0.83	60	844	50	12 890	-567.7	1 312.0	1984	88 12
128	3.54	0.220	0.10	0.79	91	843	47	11 490	-550.8	1 275.8	1988	92 03
16	1.70	0.080	0.30	0.79	92	879	44	14 527	-745.1	1 787.3	1990	92 09 - ABAND 92 03
64	7.70	0.050	0.45	0.76	108	900	64	19 274	-783.0	1 813.4	1980	80 06 - ABAND 85 08
64	1.80	0.170	0.46	0.89	27	869	33	9 746	-402.4	1 389.3	1978	84 12
413	5.00	0.110	0.45	0.80	90	810	58	10 537	-697.8	1 956.9	1985	91 04 - GPP
64	5.40	0.120	0.40	0.78	90	853	62	10 253	-724.5	1 984.4	1985	87 04 - GPP
64	4.00	0.090	0.45	0.89	62	826	57	8 943	-654.6	1 671.5	1985	91 10 - ABAND 90 05
64	3.50	0.120	0.40	0.79	85	857	53	7 973	-541.5	1 495.0	1985	92 08 - ABAND 92 05
16	7.00	0.110	0.45	0.79	85	812	53	8 860	-643.9	1 658.3	1986	93 10 - ABAND 92 03
128	9.68	0.110	0.45	0.80	111	850	66	10 394	-655.3	1 851.3	1987	91 04 - GPP
64	6.40	0.110	0.45	0.75	111	813	66	10 691	-679.4	1 728.2	1976	88 02
32	13.50	0.135	0.40	0.75	111	800	66	10 736	-784.9	2 032.0	1987	92 08
16	5.20	0.160	0.40	0.79	87	826	48	9 287	-611.0	1 760.5	1987	92 09 - ABAND 92 06
64	4.05	0.120	0.45	0.78	86	800	57	10 758	-685.8	1 734.2	1986	90 08
64	5.00	0.110	0.45	0.78	84	830	60	11 269	-728.1	1 930.8	1987	88 04 - GPP
64	2.60	0.110	0.45	0.78	84	784	60	11 213	-731.7	1 921.6	1987	88 04
64	5.20	0.120	0.45	0.78	86	784	58	10 478	-670.8	1 860.7	1987	88 04 - GPP
419	5.35	0.120	0.44	0.84	56	810	61	8 440	-538.6	1 700.7	1987	89 09 - GPP
64	7.00	0.130	0.45	0.84	56	810	61	8 243	-579.0	1 761.9	1985	85 07 - ABAND 85 07
32	6.00	0.127	0.45	0.84	56	810	61	8 904	-720.2	1 903.1	1985	92 08
65	3.05	0.140	0.47	0.77	106	876	54	10 780	-833.7	2 056.3	1965	88 12 - GPP
449	8.50	0.140	0.40	0.78	93	800	58	10 423	-646.0	1 781.1	1987	93 04 - GPP
596	7.91	0.110	0.52	0.78	93	800	63	12 848	-795.3	1 921.5	1961	93 04
64	8.05	0.126	0.50	0.81	73	805	47	11 950	-680.8	1 737.4	1988	89 09 - GPP
64	5.50	0.130	0.50	0.78	93	800	63	8 225	-531.6	1 639.1	1988	89 10 - GPP
64	9.70	0.120	0.45	0.80	84	799	58	8 208	-528.5	1 643.7	1988	91 12 - GPP
16	15.00	0.130	0.45	0.80	80	852	48	8 860	-448.7	1 501.3	1989	92 08 - GPP
64	2.50	0.110	0.48	0.78	84	799	62	9 938	-628.0	1 692.8	1989	90 05 - GPP
16	10.50	0.130	0.45	0.78	84	799	62	7 789	-564.8	1 820.6	1988	92 12
64	6.00	0.110	0.50	0.78	84	799	62	11 198	-827.0	2 068.0	1978	90 06 - GPP
64	12.00	0.140	0.30	0.80	90	811	58	9 030	-469.1	1 522.2	1989	90 07 - GPP
64	6.40	0.100	0.30	0.78	86	800	57	11 104	-702.4	1 755.5	1989	90 07
32	7.00	0.130	0.35	0.78	93	800	63	9 500	-549.2	1 599.0	1990	91 08 - GPP
64	2.50	0.110	0.45	0.78	93	800	63	10 463	-693.1	1 799.8	1990	91 07
64	6.50	0.120	0.42	0.78	93	800	63	8 971	-470.2	1 506.8	1990	91 07
64	7.50	0.120	0.45	0.78	93	800	63	10 707	-632.8	1 706.3	1990	91 07 - GPP
64	5.90	0.120	0.40	0.78	84	791	62	10 594	-519.2	1 744.6	1991	92 04
1 652					111	828	66	12 256	-858.6	2 080.6	1964	92 01
1 375	5.55	0.117	0.44	0.78								
277	5.57	0.120	0.40	0.76								
16	5.40	0.125	0.25	0.75	111	775	66	10 521	-801.5	1 857.2	1987	92 05 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
BRAZEAU RIVER								
046-13W5 (CONTINUED)								
BELLY RIVER E & F	2 177.0	0.04		87.0		87.0	69.2	17.8
BELLY RIVER CCC	1 140.0	0.10		114.0		114.0	54.8	59.2
CARDIUM A	193.0	0.10		19.3		19.3	18.3	1.0
CARDIUM C	2 117.0	0.07		148.0		148.0	127.9	20.1
CARDIUM D	90.0	<0.01		0.5		0.5	0.5	
CARDIUM G	188.0	0.15		28.2		28.2	18.2	10.0
CARDIUM I	200.0	0.15		30.0		30.0	24.5	5.5
CARDIUM K	708.0	0.06		42.5		42.5	34.2	8.3
CARDIUM O	52.3	0.15		7.8		7.8	6.5	1.3
CARDIUM P	205.0	0.15		30.8		30.8	16.6	14.2
CARDIUM Q	38.6	0.15		5.8		5.8	4.2	1.6
CARDIUM R	331.0	0.08		26.5		26.5	25.6	0.9
CARDIUM V	139.0	0.10		13.9		13.9	8.7	5.2
VIKING A	465.0	0.15		69.8		69.8	34.5	35.3
VIKING D TOTAL	1 279.0			252.0	120.0	372.0	286.3	85.7
PRIMARY AREA	84.0	0.15		12.6		12.6		
WATER FLOOD AREA	1 195.0	0.20	0.10	239.0	120.0	359.0		
LOWER MANNVILLE A	121.0	<0.09		9.9		9.9	9.9	
LOWER MANNVILLE B	81.4	<0.03		2.4		2.4	2.4	
LOWER MANNVILLE C	362.0	0.03		10.9		10.9	4.9	6.0
LOWER MANNVILLE D	110.0	0.10		11.0		11.0	2.4	8.6
CADOMIN A	39.7	<0.04		1.3		1.3	1.3	
CADOMIN B	108.0	<0.05		4.4		4.4	4.4	
ROCK CREEK B	378.0	<0.01		0.8		0.8	0.8	
NISKU A	5 300.0	0.40	0.37	2 120.0	1 961.0	4 081.0	3 954.8	126.2
SOLVENT FLOOD								
NISKU B	2 300.0	0.40	0.24	920.0	550.0	1 470.0	1 230.5	239.5
SOLVENT FLOOD								
NISKU C	66.6	0.15		10.0		10.0	4.7	5.3
NISKU D	2 700.0	0.50	0.10	1 350.0	270.0	1 620.0	1 366.9	253.1
SOLVENT FLOOD								
NISKU E	2 450.0	0.45	0.35	1 102.0	858.0	1 960.0	1 768.6	191.4
SOLVENT FLOOD								
NISKU G	85.0	0.30		25.5		25.5	17.7	7.8
NISKU H	85.0	0.30		25.5		25.5	23.8	1.7
NISKU I	1 055.0	0.35		369.0		369.0	322.8	46.2
NISKU L WATER FLOOD	575.0	0.30	0.25	173.0	144.0	317.0	143.4	173.6
NISKU X WATER FLOOD	595.0	0.30	0.20	179.0	119.0	298.0	106.9	191.1
FIELD TOTAL	42 940.2			9 123.3	4 399.0	13 522.3	10 572.1	2 950.2
BRUCE 047-14W4								
LOWER MANNVILLE I	372.0	<0.01		0.3		0.3	0.3	
ELLERSLIE PP	315.0	<0.01		2.9		2.9	2.9	
WABAMUN L	87.3	<0.01		0.7		0.7	0.7	
WABAMUN M	93.0	<0.01		0.7		0.7	0.7	
WABAMUN N	47.8	<0.01		0.1		0.1	0.1	
STETTNER A	53.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL	968.1			4.8		4.8	4.8	
BUFFALO LAKE 039-21W4								
D-3	1 410.0	0.58		818.0		818.0	793.8	24.2
D-3 B	782.0	0.70		547.0		547.0	484.3	62.7
FIELD TOTAL	2 192.0			1 365.0		1 365.0	1 278.1	86.9
BYEMOOR 034-19W4								
VIKING A	144.0	0.08		11.5		11.5	7.7	3.8
UPPER MANNVILLE A	1 077.0	0.07		75.4		75.4	26.6	48.8
FIELD TOTAL	1 221.0			86.9		86.9	34.3	52.6
CALAIS 070-24W5								
D-3 A	700.0	0.50		350.0		350.0	269.4	80.6
FIELD TOTAL	700.0			350.0		350.0	269.4	80.6
CAMPBELL-NAMAO								
054-25W4								
BLAIRMORE A	2 860.0	0.09		257.0		257.0	247.2	9.8

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
1 130	3.81	0.120	0.48	0.81	82	810	61	10 352	-697.2	1 771.8	1985	92 02 - GPP
463	5.31	0.110	0.46	0.78	93	800	63	11 748	-742.2	1 829.4	1988	93 04
195	1.52	0.140	0.20	0.58	164	788	71	16 639	-1 305.3	2 371.2	1966	83 12 - GPP
2 148	2.36	0.090	0.20	0.58	293	784	77	27 706	-1 293.1	2 458.8	1973	91 12
64	3.00	0.101	0.20	0.58	164	826	60	22 729	-1 105.4	2 100.9	1980	88 12 - GPP
100	4.50	0.090	0.20	0.58	115	783	73	26 274	-1 237.9	2 456.9	1981	86 09
103	3.00	0.140	0.20	0.58	240	793	76	25 561	-1 269.8	2 417.7	1971	85 12 - GPP
1 079	1.91	0.080	0.26	0.58	245	796	76	25 942	-1 248.4	2 297.6	1973	92 09 - GPP
64	1.60	0.110	0.20	0.58	210	760	66	25 926	-1 240.9	2 364.4	1985	86 03 - GPP
192	2.16	0.120	0.29	0.58	235	808	82	26 738	-1 300.8	2 371.3	1986	88 07
64	1.50	0.090	0.23	0.58	235	781	82	27 873	-1 322.6	2 427.3	1985	92 12
256	1.85	0.120	0.13	0.67	217	806	76	22 803	-1 292.1	2 475.3	1956	88 08 - GPP
64	5.20	0.120	0.40	0.58	245	796	76	22 709	-1 252.5	2 477.9	1991	92 12
256	1.82	0.160	0.20	0.78	114	815	79	25 309	-1 444.7	2 464.0	1973	79 10
833					160	833	80	30 465	-1 524.8	2 546.6	1973	93 06
128	0.96	0.130	0.27	0.72								- GPP
705	1.71	0.170	0.19	0.72								
65	4.57	0.090	0.30	0.65	184	815	92	39 701	-1 945.8	3 120.2	1967	92 03 - ABAND 90 07
64	1.52	0.170	0.18	0.60	220	804	99	30 041	-1 693.8	2 737.7	1975	78 05 - ABAND 84 07
32	9.75	0.210	0.15	0.65	177	812	95	33 054	-1 863.2	3 079.7	1974	92 08 - GPP
64	2.70	0.150	0.35	0.65	180	803	93	27 413	-1 779.3	2 884.2	1967	84 10 - GPP
65	0.91	0.120	0.30	0.80	66	788	96	29 744	-1 923.2	3 098.8	1960	88 08 - GPP
64	5.00	0.085	0.25	0.53	352	779	104	32 342	-1 913.8	3 119.5	1978	88 08 - GPP
64	8.43	0.124	0.32	0.83	65	803	72	30 344	-1 749.1	2 776.3	1983	84 09 - ABAND 90 02
108	72.90	0.110	0.10	0.68	178	806	107	46 598	-2 138.4	3 107.4	1977	93 12 - GPP
90	69.23	0.058	0.14	0.74	130	816	102	32 674	-2 066.1	3 081.3	1977	87 12 - GPP
10	25.50	0.050	0.13	0.60	195	820	107	33 306	-2 133.6	3 092.7	1978	92 11
157	44.88	0.065	0.12	0.67	183	815	102	34 602	-2 103.0	3 066.8	1978	93 07 - GPP
142	42.62	0.100	0.12	0.46	354	799	108	46 293	-2 188.0	3 199.9	1978	93 12 - GPP
20	22.30	0.045	0.23	0.55	255	813	100	38 326	-2 179.6	3 148.6	1978	84 12 - GPP
102	2.45	0.060	0.10	0.63	189	806	105	43 875	-2 156.4	3 133.6	1978	87 12 - GPP
112	47.10	0.050	0.20	0.50	396	802	102	33 795	-2 109.2	3 052.0	1979	80 08
78	20.77	0.120	0.13	0.34	672	788	105	40 996	-2 208.8	3 196.6	1982	90 12 - GPP
97	23.10	0.070	0.12	0.43	417	795	106	34 625	-2 276.5	3 296.6	1986	91 06 - GPP
64	3.40	0.230	0.20	0.93	27	910	34	6 269	-159.5	865.8	1978	83 12 - ABAND 91 11
64	2.70	0.250	0.20	0.91	35	887	35	6 120	-266.8	984.6	1985	86 05 - ABAND 89 11
64	1.60	0.170	0.41	0.85	60	875	40	6 057	-358.3	1 085.3	1987	91 10 - ABAND 89 02
64	4.20	0.080	0.53	0.92	21	868	40	5 965	-346.5	1 071.5	1986	88 08 - ABAND 91 11
16	2.50	0.200	0.35	0.92	30	973	40	5 868	-346.1	1 064.8	1988	91 10 - ABAND 89 03
64	2.80	0.060	0.42	0.85	60	868	40	7 294	-357.3	1 082.3	1986	92 10 - ABAND 91 11
65	28.44	0.101	0.09	0.83	74	892	59	15 261	-860.8	1 681.2	1961	90 12 - GPP
66	17.20	0.100	0.15	0.81	83	887	57	14 165	-853.3	1 676.5	1967	92 12
64	2.00	0.200	0.34	0.85	62	828	42	8 107	-306.3	1 156.1	1977	88 12
505	2.68	0.180	0.48	0.85	64	852	48	8 581	-384.9	1 214.7	1989	91 12 - GPP
97	20.00	0.062	0.12	0.66	190	824	91	25 706	-2 125.6	2 823.0	1986	89 02
809	3.08	0.174	0.25	0.88	41	870	47	8 460	-440.6	1 130.8	1949	85 12 - GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	103m3	frac	frac	103m3	103m3	103m3	103m3	103m3
CAMPBELL-NAMAO 054-25W4 (CONTINUED)								
BLAIRMORE C	216.0	0.18		38.9		38.9	36.7	2.2
BLAIRMORE D	150.0	0.20		30.0		30.0	26.0	4.0
BLAIRMORE E	2 938.0	0.06		176.0		176.0	173.0	3.0
BLAIRMORE F	3 960.0	0.10		396.0		396.0	288.1	107.9
BLAIRMORE G	496.0	0.03		14.9		14.9	5.4	9.5
BLAIRMORE J	1 115.0	0.06		66.9		66.9	62.5	4.4
BLAIRMORE M	109.0	<0.01		0.1		0.1	0.1	
BLAIRMORE N	190.0	0.10		19.0		19.0	2.2	16.8
BLAIRMORE O	588.0	0.03		17.6		17.6	7.6	10.0
BLAIRMORE P	21.0	0.10		2.1		2.1	1.4	0.7
BLAIRMORE Q	330.0	0.10		33.0		33.0	0.6	32.4
BLAIRMORE S	415.0	0.05		20.8		20.8	2.5	18.3
BLAIRMORE T	51.3	0.05		2.6		2.6	1.0	1.6
BLAIRMORE U	355.0	0.05		17.8		17.8	3.6	14.2
BLAIRMORE X	88.1	0.10		8.8		8.8	3.0	5.8
WABAMUN A	108.0	<0.01		1.0		1.0	1.0	
FIELD TOTAL	13 990.4			1 102.5		1 102.5	861.9	240.6
CARBON 029-22W4								
GLAUCONITIC G	151.0	0.15		22.6		22.6	12.0	10.6
GLAUCONITIC H	91.2	0.05		4.6		4.6	1.4	3.2
PEKISKO B	133.0	0.06		8.0		8.0	6.6	1.4
PEKISKO E	133.0	<0.10		12.5		12.5	12.0	0.5
FIELD TOTAL	508.2			47.7		47.7	32.0	15.7
CARDIFF 055-02W5								
ELLERSLIE B	122.0	0.10		12.2		12.2	0.9	11.3
WABAMUN A	1 130.0	0.04		45.2		45.2	41.6	3.6
FIELD TOTAL	1 252.0			57.4		57.4	42.5	14.9
CARIBOU 062-10W5								
BEAVERHILL LAKE A	76.3	<0.01		0.7		0.7	0.7	
FIELD TOTAL	76.3			0.7		0.7	0.7	
CARMANGAY 013-22W4								
BOW ISLAND A	109.0	<0.02		2.2		2.2	2.2	
SUNBURST A	1 597.0	0.15		240.0		240.0	57.3	182.7
SUNBURST B	101.0	0.10		10.1		10.1	0.4	9.7
FIELD TOTAL	1 807.0			252.3		252.3	59.9	192.4
CAROLINE 035-06W5								
CARDIUM A	188.0	<0.02		2.7		2.7	2.7	
CARDIUM B	58.0	0.10		5.8		5.8	5.5	0.3
CARDIUM C	279.0	0.05		14.0		14.0	8.9	5.1
CARDIUM D	96.5	0.05		4.8		4.8	3.5	1.3
CARDIUM E TOTAL	10 400.0			949.0	1 691.0	2 640.0	2 030.5	609.5
PRIMARY AREA	1 301.0	0.10		130.0		130.0		
SOLVENT FLOOD AREA	4 700.0	0.09	0.21	423.0	987.0	1 410.0		
WATER FLOOD AREA	4 400.0	0.09	0.16	396.0	704.0	1 100.0		
CARDIUM F	530.0	<0.14		71.6		71.6	61.6	10.0
CARDIUM G	101.0	<0.02		1.7		1.7	1.7	
CARDIUM H	66.2	<0.04		2.5		2.5	2.5	
CARDIUM I	94.2	0.15		14.1		14.1	6.9	7.2
CARDIUM K	59.9	0.15		9.0		9.0	4.2	4.8
SECOND WHITE SPECKS A	164.0	<0.01		0.9		0.9	0.9	
SECOND WHITE SPECKS B	75.3	0.15		11.3		11.3	0.8	10.5
SECOND WHITE SPECKS C	57.3	0.05		2.9		2.9	0.3	2.6
FIRST WHITE SPECKS A & VIKING A	9 885.0	<0.12		1 182.0		1 182.0	1 007.3	174.7
VIKING F	157.0	0.10		15.7		15.7	10.7	5.0
VIKING G	219.0	<0.13		27.1		27.1	2.1	25.0
VIKING H	82.2	<0.06		4.8		4.8	4.8	
VIKING I	140.0	<0.02		1.7		1.7	1.7	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
47	3.96	0.180	0.29	0.91	41	870	47	8 413	-439.6	1 135.8	1953	85 12 - GPP
32	3.14	0.210	0.22	0.91	41	870	48	8 480	-445.3	1 141.0	1959	92 11 - GPP
503	4.18	0.213	0.20	0.82	41	870	46	8 387	-433.3	1 113.5	1951	67 05 - GPP
534	4.63	0.220	0.20	0.91	41	870	46	7 919	-438.5	1 119.3	1966	76 12 - GPP
64	6.00	0.210	0.25	0.82	68	894	41	7 019	-429.7	1 124.3	1951	89 08 - GPP
313	2.57	0.220	0.30	0.90	43	892	35	8 006	-447.2	1 142.3	1976	93 01 - GPP
64	1.80	0.150	0.30	0.90	38	850	37	8 017	-448.6	1 143.3	1983	84 09 - ABAND 84 07
64	4.50	0.150	0.50	0.88	45	864	41	8 338	-447.7	1 102.8	1984	85 04 - GPP
64	6.40	0.250	0.30	0.82	71	844	51	7 862	-453.8	1 130.6	1976	88 01 - GPP
16	1.60	0.210	0.57	0.91	39	879	30	7 437	-413.5	1 072.5	1985	90 11 - GPP
64	3.80	0.230	0.33	0.88	45	870	46	8 336	-432.5	1 084.9	1987	87 07 - GPP
64	4.30	0.230	0.20	0.82	71	844	51	7 434	-415.1	1 069.0	1988	90 03 - GPP
16	2.60	0.220	0.30	0.80	71	845	51	7 006	-431.1	1 088.6	1989	91 01 - GPP
64	4.60	0.210	0.30	0.82	71	845	51	6 999	-430.2	1 092.6	1989	90 09 - GPP
16	4.00	0.230	0.27	0.82	71	845	51	7 076	-436.6	1 125.2	1989	93 07 - GPP
64	1.70	0.180	0.35	0.85	48	854	38	7 467	-476.1	1 167.9	1981	92 10
64	2.30	0.170	0.29	0.85	39	854	53	9 180	-641.1	1 471.6	1988	89 01 - GPP
32	3.80	0.180	0.51	0.85	39	854	51	10 108	-633.6	1 473.5	1988	91 03 - GPP
64	5.50	0.065	0.30	0.83	69	865	53	11 762	-740.0	1 581.9	1975	86 12 - GPP
64	5.50	0.065	0.30	0.83	69	865	53	11 722	-740.8	1 578.7	1973	85 03 - GPP
64	2.00	0.270	0.12	0.40	110	788	51	10 151	-560.9	1 279.0	1985	85 07 - GPP
256	7.96	0.110	0.44	0.90	50	930	43	10 643	-684.1	1 401.9	1983	92 12 - GPP
64	3.20	0.070	0.25	0.71	110	839	85	24 279	-1 631.8	2 502.5	1985	86 01 - ABAND 90 02
64	2.20	0.150	0.42	0.89	43	866	33	7 800	-195.8	1 190.8	1981	93 07 - GPP
613	3.20	0.170	0.37	0.76	95	840	48	12 455	-429.8	1 441.0	1991	93 09
64	2.20	0.170	0.50	0.84	64	851	40	12 668	-440.0	1 453.5	1991	92 03
16	12.80	0.151	0.20	0.76	142	797	73	26 113	-1 094.7	2 255.4	1961	69 05 - ABAND 67 10
64	3.82	0.039	0.20	0.76	142	801	66	27 319	-1 168.1	2 365.4	1965	91 12 - GPP
256	2.02	0.120	0.25	0.60	257	784	73	27 011	-1 195.4	2 402.7	1973	93 05 - GPP
64	2.07	0.140	0.20	0.65	186	811	66	27 622	-1 193.1	2 378.8	1974	91 12 - GPP
9 449					352	797	73	28 974	-1 321.2	2 517.0	1974	93 08
1 716	1.87	0.090	0.15	0.53								- GPP
3 519	2.50	0.120	0.16	0.53								- GPP
4 214	2.25	0.103	0.15	0.53								
467	3.06	0.080	0.20	0.58	246	801	77	28 125	-1 255.5	2 451.4	1976	90 12
64	3.05	0.110	0.15	0.55	312	801	69	22 181	-1 231.8	2 429.4	1975	78 02 - GPP
65	1.83	0.120	0.20	0.58	246	801	74	22 007	-1 203.4	2 412.2	1975	88 12 - GPP
64	2.10	0.110	0.15	0.75	140	836	70	27 528	-1 296.0	2 521.8	1985	87 04
64	2.40	0.100	0.25	0.52	312	802	74	27 379	-1 251.7	2 412.3	1989	89 06
64	5.00	0.100	0.30	0.73	120	820	65	20 469	-1 408.5	2 621.5	1978	81 12 - ABAND 83 07
64	7.00	0.030	0.20	0.70	127	796	75	15 942	-1 236.4	2 288.9	1988	89 03
16	8.00	0.100	0.30	0.64	177	791	84	19 670	-1 305.4	2 407.5	1986	93 12
7 800	3.10	0.080	0.30	0.73	89	825	89	17 064	-1 484.6	2 657.3	1957	91 08 - GPP
98	3.05	0.100	0.30	0.75	89	825	89	17 094	-1 344.3	2 473.6	1968	83 06 - GPP
192	3.23	0.076	0.38	0.75	139	793	77	17 642	-1 531.6	2 714.7	1977	82 04 - GPP
64	4.74	0.070	0.47	0.73	110	790	85	21 871	-1 574.7	2 786.9	1979	80 06 - ABAND 83 01
64	7.02	0.074	0.37	0.67	200	788	60	17 416	-1 528.2	2 715.0	1978	83 12 - ABAND 80 11

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
CAROLINE 035-06W5 (CONTINUED)								
VIKING J	157.0	<0.02		2.0		2.0	2.0	
VIKING L	73.9	0.15		11.1		11.1	9.9	1.2
VIKING M	41.0	0.04		1.6		1.6	0.8	0.8
VIKING N	37.3	0.10		3.7		3.7	0.4	3.3
VIKING O	122.0	0.10		12.2		12.2	2.8	9.4
VIKING P	89.1	0.05		4.5		4.5	0.5	4.0
VIKING R	50.0	0.20		10.0		10.0	8.1	1.9
VIKING S	754.0	0.20		151.0		151.0	121.1	29.9
VIKING T	382.0	0.10		38.2		38.2	26.6	11.6
VIKING U	214.0	0.10		21.4		21.4	7.5	13.9
VIKING W	72.2	<0.01		0.6		0.6	0.6	
VIKING X	1 256.0	0.10		126.0		126.0	83.5	42.5
VIKING Y	96.5	<0.01		0.3		0.3	0.3	
VIKING AA	34.5	0.15		5.2		5.2	3.1	2.1
VIKING BB	108.0	0.05		5.4		5.4	0.3	5.1
VIKING CC	108.0	0.05		5.4		5.4	0.8	4.6
UPPER MANNVILLE A	187.0	<0.01		0.4		0.4	0.4	
GLAUCONITIC K	63.9	<0.01		0.1		0.1	0.1	
BASAL MANNVILLE W	211.0	<0.01		0.1		0.1	0.1	
BASAL MANNVILLE MU #3	195.0	0.20		39.0		39.0	31.6	7.4
BASAL MANNVILLE A2A	161.0	0.05		8.1		8.1	1.8	6.3
BASAL MANNVILLE C2C, D2D,E2E & F2F	141.0	0.10		14.1		14.1	1.8	12.3
BASAL MANNVILLE G2G, H2H & I2I	118.0	0.10		11.8		11.8	3.9	7.9
BASAL MANNVILLE N3N	153.0	0.15		23.0		23.0	12.6	10.4
BASAL MANNVILLE O3O	207.0	0.15		31.1		31.1	19.6	11.5
RUNDLE A TOTAL	26 310.0			5 261.0	3 960.0	9 221.0	8 812.9	408.1
PRIMARY AREA	6 505.0	0.20		1 301.0		1 301.0		
WATER FLOOD AREA	19 800.0	0.20	0.20	3 960.0	3 960.0	7 920.0		
RUNDLE C	210.0	0.03		6.3		6.3	3.0	3.3
RUNDLE D	375.0	0.20		75.0		75.0	68.1	6.9
ELKTON M TOTAL	827.0			103.0	67.5	171.0	71.4	99.6
PRIMARY AREA	153.0	0.01		1.5		1.5		
WATER FLOOD AREA	674.0	0.15	0.10	101.0	67.5	169.0		
FIELD TOTAL	55 407.0			8 293.2	5 718.5	14 012.2	12 452.2	1 560.0
CARROT CREEK 052-13W5								
CARDIUM A TOTAL	868.0			104.0	105.0	209.0	139.5	69.5
PRIMARY AREA	63.9	0.12		7.7		7.7		
WATER FLOOD AREA	804.0	0.12	0.13	96.5	105.0	202.0		
CARDIUM B	121.0	0.17	0.03	20.6	3.6	24.2	20.4	3.8
WATER FLOOD								
CARDIUM D TOTAL	3 114.0			300.0	495.0	795.0	367.3	427.7
PRIMARY AREA	639.0	<0.09		52.0		52.0		
WATER FLOOD AREA	2 475.0	0.10	0.20	248.0	495.0	743.0		
CARDIUM E TOTAL	442.0			66.4	43.3	110.0	76.9	33.1
PRIMARY AREA	9.1	0.15		1.4		1.4		
WATER FLOOD AREA	433.0	0.15	0.10	65.0	43.3	108.0		
CARDIUM F TOTAL	5 655.0			860.0	1 090.0	1 950.0	1 089.8	860.2
PRIMARY AREA	201.0	0.20		40.2		40.2		
WATER FLOOD AREA	5 454.0	<0.16	0.20	820.0	1 090.0	1 910.0		
CARDIUM H	151.0	0.10		15.1		15.1	2.1	13.0
CARDIUM I	176.0	0.10		17.6		17.6	15.4	2.2
CARDIUM K TOTAL	2 500.0			234.0	92.0	326.0	243.9	82.1
PRIMARY AREA	200.0	<0.03		4.2		4.2		
WATER FLOOD AREA	2 300.0	0.10	0.04	230.0	92.0	322.0		
CARDIUM S	435.0	<0.04		13.5		13.5	13.5	
CARDIUM V	162.0	<0.01		0.1		0.1	0.1	
CARDIUM AA	85.6	0.10		8.6		8.6	3.7	4.9
CARDIUM DD	113.0	0.10		11.3		11.3	8.5	2.8
CARDIUM EE	523.0	0.10		52.3		52.3	39.9	12.4
CARDIUM FF	186.0	0.10		18.6		18.6	3.1	15.5
CARDIUM GG	575.0	0.10		57.5		57.5	41.7	15.8
CARDIUM HH	138.0	0.10		13.8		13.8	9.5	4.3
CARDIUM JJ	360.0	0.15		54.0		54.0	17.8	36.2
CARDIUM MM	213.0	<0.03		4.4		4.4	4.4	
CARDIUM NN	286.0	0.10		28.6		28.6	1.9	26.7
CARDIUM OO	42.4	<0.03		1.0		1.0	1.0	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
64	6.50	0.070	0.25	0.72	125	849	60	17 115	-1 508.4	2 677.5	1980	83 09 - GPP
64	3.70	0.080	0.35	0.60	213	844	85	16 974	-1 332.3	2 457.3	1955	82 11 - GPP
16	6.10	0.100	0.30	0.60	210	844	66	20 134	-1 311.2	2 417.0	1962	92 12 - GPP
64	1.90	0.069	0.26	0.60	200	839	85	16 974	-1 338.2	2 457.2	1985	93 12
64	7.50	0.065	0.35	0.60	195	803	89	19 338	-1 427.7	2 574.9	1982	82 11 - GPP
64	3.00	0.090	0.23	0.67	181	808	78	17 733	-1 443.1	2 583.0	1986	93 12
64	2.48	0.060	0.30	0.75	120	816	87	21 029	-1 618.2	2 723.3	1987	89 12
1 100	2.54	0.050	0.28	0.75	120	816	87	27 681	-1 661.3	2 804.3	1980	93 11
256	4.36	0.070	0.27	0.67	181	816	87	18 418	-1 361.9	2 443.1	1980	84 01 - GPP
64	5.80	0.100	0.20	0.72	128	849	59	18 852	-1 362.2	2 422.4	1981	82 03 - GPP
64	3.21	0.069	0.24	0.67	181	808	87	18 490	-1 396.6	2 486.5	1985	89 12
1 019	3.23	0.078	0.27	0.67	181	808	87	18 391	-1 408.4	2 527.9	1984	89 01
64	3.00	0.100	0.25	0.67	181	808	87	18 493	-1 397.0	2 489.5	1986	92 10
64	1.10	0.120	0.32	0.60	230	818	84	17 817	-1 453.4	2 558.3	1988	90 02 - GPP
64	5.40	0.080	0.40	0.65	207	817	92	17 018	-1 332.3	2 454.9	1958	90 12 - GPP
32	7.90	0.090	0.35	0.73	111	829	86	11 344	-1 307.0	2 389.0	1956	92 11 - GPP
64	4.00	0.130	0.12	0.64	181	863	81	27 724	-1 627.5	2 718.9	1981	86 12
64	3.23	0.069	0.30	0.64	181	863	81	24 156	-1 534.0	2 609.5	1984	89 12
64	5.00	0.110	0.22	0.77	78	811	110	25 986	-1 689.1	2 839.6	1980	88 12
96	2.70	0.130	0.25	0.77	483	811	92	30 697		2 698.0	1957	88 12 - GPP
64	3.90	0.130	0.20	0.62	191	806	88	27 582	-1 594.1	2 724.7	1982	87 12 - GPP
64	4.60	0.090	0.24	0.70	191	807	88	29 244	-1 487.7	2 545.8	1986	87 01 - GPP
64	2.70	0.120	0.19	0.70	191	807	88	30 491	-1 499.8	2 554.2	1986	87 01 - GPP
64	5.82	0.073	0.25	0.75	105	830	88	28 829	-1 650.6	2 811.8	1981	84 12
64	4.90	0.100	0.12	0.75	125	832	92	28 943	-1 705.1	2 916.6	1981	84 12 - GPP
7 375					130	844	91	24 986	-1 605.4	2 696.3	1955	89 12 - GPP
2 949	6.08	0.070	0.29	0.73								
4 426	8.20	0.090	0.17	0.73								
124	6.36	0.050	0.24	0.70	195	863	93	27 921	-1 663.1	2 806.2	1985	92 01 - GPP
163	4.75	0.080	0.17	0.73	127	865	90	22 349	-1 676.2	2 735.7	1960	91 12
199					150	847	31	23 952	-1 642.9	2 726.0	1985	93 08
32	6.60	0.150	0.27	0.66								
167	5.81	0.130	0.19	0.66								
403					53	834	57	10 437	-729.7	1 668.6	1963	88 12 - GPP
32	3.22	0.100	0.27	0.85								
371	4.85	0.072	0.27	0.85								
130	2.21	0.065	0.20	0.81	62	829	61	10 594	-745.1	1 664.8	1967	92 04 - GPP
1 024					65	844	52	10 543	-699.0	1 597.6	1973	93 12
318	3.52	0.080	0.15	0.84								
706	5.99	0.082	0.15	0.84								- GPP
196					50	835	57	10 637	-699.8	1 638.1	1980	91 07
63	0.56	0.036	0.13	0.83								
133	7.54	0.060	0.13	0.83								- GPP
1 934					65	854	56	10 290	-686.4	1 617.1	1973	93 09
64	4.50	0.100	0.18	0.85								
1 870	4.54	0.090	0.14	0.83								
128	5.20	0.040	0.27	0.77	63	840	57	9 103	-716.9	1 603.1	1979	88 11 - GPP
64	4.99	0.071	0.10	0.86	53	834	57	8 672	-635.6	1 508.9	1967	84 12 - GPP
837					50	838	68	11 031	-769.8	1 764.8	1982	92 12
128	3.03	0.072	0.15	0.84								
709	6.31	0.072	0.15	0.84								- GPP
192	3.74	0.080	0.11	0.85	65	836	56	12 427	-652.9	1 530.6	1984	92 10
64	3.00	0.110	0.10	0.85	50	838	68	9 141	-717.6	1 628.4	1984	84 12 - ABAND 88 11
128	1.69	0.066	0.25	0.80	48	842	68	7 915	-685.9	1 558.8	1984	85 08 - GPP
20	11.40	0.083	0.30	0.85	50	852	68	9 428	-706.1	1 586.6	1985	88 08 - GPP
100	9.32	0.070	0.10	0.89	51	845	56	9 280	-700.0	1 597.9	1985	91 04 - GPP
64	2.70	0.170	0.21	0.80	104	826	63	9 154	-698.9	1 565.7	1983	85 10 - GPP
537	2.30	0.072	0.24	0.85	54	837	57	10 524	-675.5	1 565.0	1983	90 08
32	9.65	0.075	0.30	0.85	61	819	60	10 536	-666.6	1 563.3	1985	91 12 - GPP
191	3.65	0.080	0.24	0.85	61	819	60	10 667	-696.0	1 572.4	1986	93 04
64	5.70	0.081	0.15	0.85	75	849	56	11 821	-569.6	1 401.5	1985	93 02 - ABAND 92 10
64	9.23	0.076	0.25	0.85	55	834	59	9 045	-666.7	1 542.7	1987	88 01
64	1.00	0.120	0.35	0.85	61	819	60	9 909	-673.2	1 578.2	1985	88 03 - ABAND 88 10

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
CARROT CREEK 052-13W5 (CONTINUED)								
CARDIUM PP	184.0	0.11		20.2		20.2	16.9	3.3
CARDIUM QQ	104.0	0.10		10.4		10.4	5.2	5.2
LOWER MANNVILLE A	85.3	0.04		3.4		3.4	2.8	0.6
LOWER MANNVILLE B	221.0	<0.01		0.8		0.8	0.8	
LOWER MANNVILLE N	73.7	0.10		7.4		7.4	1.3	6.1
LOWER MANNVILLE T	174.0	<0.02		2.2		2.2	2.2	
LOWER MANNVILLE V	154.0	0.10		15.4		15.4	10.1	5.3
LOWER MANNVILLE W	234.0	0.10		23.4		23.4	1.9	21.5
LOWER MANNVILLE BB	117.0	0.05		5.9		5.9	0.2	5.7
LOWER MANNVILLE M, JURASSIC D.P.V & W	4 600.0	0.08		368.0		368.0	197.1	170.9
JURASSIC A	213.0	<0.01		0.2		0.2	0.2	
JURASSIC X, AA & CC	254.0	0.10		25.4		25.4	5.6	19.8
FIELD TOTAL	22 560.0			2 364.1	1 828.9	4 193.3	2 344.7	1 848.6
CARSON CREEK 061-11W5								
VIKING A	315.0	0.10		31.5		31.5	12.7	18.8
FIELD TOTAL	315.0			31.5		31.5	12.7	18.8
CARSON CREEK NORTH 062-12W5								
BEAVERHILL	60 200.0			9 050.0	18 480.0	27 530.0	24 260.3	3 269.7
LAKE A & B TOTAL								
PRIMARY AREA	198.0	0.25		49.5		49.5		
WATER FLOOD AREA	60 000.0	0.15	0.30	9 000.0	18 480.0	27 480.0		
FIELD TOTAL	60 200.0			9 050.0	18 480.0	27 530.0	24 260.3	3 269.7
CARSTAIRS 030-02W5								
CARDIUM A	240.0	0.03		7.2		7.2	3.9	3.3
CARDIUM B	23.3	<0.01		0.2		0.2	0.2	
BLACKSTONE A	129.0	0.05		6.5		6.5	0.4	6.1
VIKING B	200.0	0.10		20.0		20.0	18.5	1.5
VIKING C	131.0	0.10		13.1		13.1	6.1	7.0
VIKING D	58.1	0.05		2.9		2.9	0.3	2.6
FIELD TOTAL	781.4			49.9		49.9	29.4	20.5
CAVALIER 024-24W4								
GLAUCONITIC A	900.0	0.15		135.0		135.0	81.4	53.6
OSTRACOD A	68.8	0.15		10.3		10.3	0.1	10.2
FIELD TOTAL	968.8			145.3		145.3	81.5	63.8
CENTRON 023-26W4								
LOWER MANNVILLE A	70.0	0.10		7.0		7.0	0.3	6.7
FIELD TOTAL	70.0			7.0		7.0	0.3	6.7
CESSFORD 025-13W4								
VIKING FF	82.2	0.10		8.2		8.2	0.2	8.0
MANNVILLE HH & 030	191.0	0.03		5.7		5.7	3.6	2.1
BANFF B	6 802.0	0.10		680.0		680.0	330.2	349.8
BANFF E	125.0	0.10		12.5		12.5	2.5	10.0
BANFF F	147.0	<0.01		0.1		0.1		0.1
BANFF H	25.3	<0.01		0.1		0.1	0.1	
BANFF I	101.0	0.10		10.1		10.1	0.1	10.0
BANFF J	276.0	0.05		13.8		13.8	0.1	13.7
FIELD TOTAL *	7 749.5			730.5		730.5	336.8	393.7
CHAIN 033-17W4								
VIKING A	49.5	<0.01		0.1		0.1	0.1	
VIKING D	516.0	0.12		61.9		61.9	55.9	6.0
VIKING E	61.9	<0.01		0.1		0.1	0.1	
VIKING F	138.0	0.10		13.8		13.8	4.6	9.2
BANFF A	3 100.0	0.15		465.0		465.0	204.0	261.0
BANFF B	108.0	0.10		10.8		10.8	4.9	5.9
BANFF D	97.8	0.20		19.6		19.6	10.6	9.0

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
40	7.50	0.090	0.20	0.85	61	819	60	10 609	-685.2	1 591.5	1987	93 12
27	5.53	0.090	0.10	0.86	46	793	57	10 539	-742.4	1 659.8	1966	92 02
16	6.40	0.170	0.30	0.70	135	835	62	15 650	-1 219.7	2 182.5	1978	92 12 - GPP
64	6.40	0.140	0.45	0.70	125	842	82	18 003	-1 274.0	2 175.2	1979	85 09 - ABAND 90 05
64	2.30	0.130	0.45	0.70	130	884	86	17 886	-1 271.9	2 181.0	1980	82 03 - GPP
64	5.00	0.120	0.38	0.73	110	846	59	16 071	-1 247.1	2 129.3	1981	88 12 - ABAND 93 09
64	5.20	0.096	0.35	0.74	105	826	78	17 204	-1 213.7	2 100.0	1986	87 03 - GPP
64	7.30	0.110	0.35	0.70	125	844	84	16 299	-1 266.7	2 166.6	1987	87 12
64	2.20	0.140	0.20	0.74	116	827	78	16 504	-1 127.3	1 987.2	1988	90 09 - GPP
1 054	8.61	0.110	0.36	0.72	53	834	57	17 117	-1 213.1	2 128.3	1976	84 04
64	7.00	0.100	0.35	0.73	125	850	60	17 086	-1 265.8	2 187.7	1979	83 12 - ABAND 80 02
64	7.50	0.130	0.45	0.74	115	864	60	17 051	-1 262.1	2 207.3	1979	85 03 - GPP
128	2.70	0.166	0.37	0.87	50	836	56	8 462	-485.4	1 373.7	1988	88 09 - GPP
7 228					274	806	88	26 000	-1 729.8	2 648.8	1958	91 12
128	3.84	0.080	0.16	0.60								- GPP
7 100	21.93	0.080	0.14	0.56								
64	6.00	0.130	0.35	0.74	119	836	66	22 372	-875.5	1 981.0	1983	86 12 - GPP
64	1.00	0.070	0.35	0.80	82	854	59	16 604	-852.0	1 956.5	1983	84 10 - ABAND 90 10
64	4.50	0.080	0.30	0.80	85	844	61	20 994	-940.7	2 037.0	1983	92 06
128	2.72	0.110	0.37	0.83	68	835	71	13 800	-1 098.9	2 206.9	1958	89 07 - GPP
64	3.00	0.150	0.45	0.83	68	835	71	12 107	-1 050.7	2 174.6	1980	84 04 - GPP
64	2.10	0.120	0.60	0.90	30	863	62		-1 180.8	2 264.4	1964	92 12 - GPP
128	5.96	0.180	0.21	0.83	70	871	49	11 910	-667.5	1 604.3	1978	92 11 - GPP
16	3.50	0.200	0.26	0.83	69	866	49		-671.9	1 633.8	1992	92 09
64	1.50	0.120	0.24	0.80	180	805	52	14 738	-899.3	1 908.0	1989	90 04
64	1.00	0.220	0.41	0.99	50	833	31		-110.2	827.5	1990	90 05 - GPP
64	5.00	0.140	0.48	0.82	70	863	47	9 062	-430.4	1 269.8	1972	85 12 - GPP
2 501	3.92	0.145	0.45	0.87	46	877	40	10 083	-445.3	1 281.9	1972	82 07 - GPP
64	2.20	0.160	0.37	0.88	55	857	50	8 248	-432.5	1 232.8	1985	86 05 - GPP
64	8.50	0.050	0.38	0.87	50	859	40	9 016	-374.0	1 317.5	1987	88 07 - ABAND 87 07
16	4.50	0.080	0.50	0.88	51	878	43	10 596	-303.5	1 047.3	1991	92 11 - ABAND 91 11
32	4.50	0.160	0.50	0.88	51	878	43	10 594	-299.2	1 027.3	1991	92 04
64	7.00	0.140	0.50	0.88	51	878	43	8 465	-310.4	1 045.0	1991	92 04 - GPP
64	1.00	0.150	0.40	0.86	50	838	42	6 684	-240.6	1 067.3	1974	85 10 - ABAND 86 05
632	0.90	0.170	0.38	0.86	62	834	34	8 314	-274.5	1 126.4	1976	86 10 - GPP
64	2.50	0.090	0.50	0.86	53	838	39	8 218	-282.4	1 142.3	1983	89 12
64	1.60	0.230	0.32	0.86	55	832	36	8 295	-293.7	1 159.8	1985	86 03
768	9.60	0.070	0.23	0.78	112	865	40	9 373	-412.7	1 259.5	1984	87 02
64	2.50	0.140	0.40	0.80	50	860	38	9 484	-402.9	1 236.8	1985	86 03 - GPP
64	4.00	0.070	0.30	0.78	112	856	43	8 490	-463.5	1 303.8	1985	87 12 - GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE 10 ³ m ³	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 10 ³ m ³	REMAINING ESTABLISHED RESERVES 10 ³ m ³
		PRIMARY frac	ENHANCED frac	PRIMARY 10 ³ m ³	ENHANCED 10 ³ m ³	TOTAL 10 ³ m ³		
CHAIN 033-17W4 (CONTINUED)								
BANFF E	27.6	<0.01		0.2		0.2	0.2	
BANFF F	45.1	0.10		4.5		4.5	1.9	2.6
BANFF G	124.0	0.15		18.6		18.6	10.9	7.7
FIELD TOTAL	4 267.9			594.6		594.6	293.2	301.4
CHAMBERLAIN 052-23W4								
BLAIRMORE	511.0	<0.07		33.5		33.5	33.5	
FIELD TOTAL	511.0			33.5		33.5	33.5	
CHEDDERVILLE 037-07W5								
CARDIUM A	75.2	<0.01		0.5		0.5	0.5	
VIKING A	1 205.0	0.20		241.0		241.0	102.8	138.2
VIKING B	86.0	0.10		8.6		8.6	7.1	1.5
VIKING C	73.9	0.15		11.0		11.0	7.4	3.6
FIELD TOTAL	1 440.1			261.1		261.1	117.8	143.3
CHERRILL 056-05W5								
VIKING C	101.0	0.17		17.2		17.2	15.7	1.5
VIKING D	124.0	<0.01		1.1		1.1	1.1	
DETRITAL A	58.1	0.10		5.8		5.8	3.2	2.6
BANFF A TOTAL	13 000.0			1 870.0	1 710.0	3 580.0	2 111.7	1 468.3
PRIMARY AREA	1 601.0	0.10		160.0		160.0		
WATER FLOOD AREA	11 400.0	<0.15	0.11	1 710.0	1 710.0	3 420.0		
BANFF H	8 006.0	0.04		320.0		320.0	174.0	146.0
BANFF J	109.0	<0.05		5.2		5.2	5.2	
BANFF P	327.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL *	21 725.1			2 219.4	1 710.0	3 929.4	2 311.0	1 618.4
CHICKADEE 061-16W5								
GETHING D	88.1	<0.01		0.2		0.2	0.2	
FIELD TOTAL	88.1			0.2		0.2	0.2	
CHICKEN 061-07W6								
CHINOOK A	78.4	0.06		4.7		4.7	4.1	0.6
CHINOOK B	172.0	0.10		17.2		17.2	0.3	16.9
CARDIUM A	127.0	0.10		12.7		12.7	0.6	12.1
FIELD TOTAL	377.4			34.6		34.6	5.0	29.6
CHIGWELL 041-24W4								
BELLY RIVER D	144.0	<0.03		3.9		3.9	3.9	
VIKING B TOTAL	2 702.0			324.0	31.8	356.0	295.5	60.5
PRIMARY AREA	1 642.0	0.12		197.0		197.0		
WATER FLOOD AREA	1 060.0	0.12	0.03	127.0	31.8	159.0		
VIKING D	89.5	<0.05		4.2		4.2	4.2	
VIKING E	8 152.0	0.05		408.0		408.0	314.5	93.5
VIKING F	226.0	<0.01		0.3		0.3	0.3	
MANNVILLE G	134.0	<0.01		0.2		0.2	0.2	
MANNVILLE H	289.0	0.10		28.9		28.9	16.2	12.7
MANNVILLE I	169.0	0.02		3.4		3.4	3.2	0.2
MANNVILLE K	45.9	0.05		2.3		2.3	1.3	1.0
MANNVILLE E & UPPER MANNVILLE A	8 287.0	0.07		580.0		580.0	375.9	204.1
UPPER MANNVILLE B	277.0	0.03		8.3		8.3	4.6	3.7
UPPER MANNVILLE C	261.0	<0.01		0.2		0.2	0.2	
D-2 A	473.0	0.20		94.6		94.6	75.0	19.6
D-2 B	116.0	0.10		11.6		11.6	10.1	1.5
D-2 C	499.0	0.14		69.9		69.9	62.1	7.8
D-2 D	98.8	<0.03		2.0		2.0	2.0	
D-3 A	108.0	<0.05		4.8		4.8	4.8	
D-3 B	538.0	0.35		188.0		188.0	167.9	20.1
D-3 C	254.0	<0.01		0.4		0.4	0.4	
D-3 E	228.0	0.45		103.0		103.0	65.1	37.9
D-3 F	74.2	<0.01		0.1		0.1	0.1	
FIELD TOTAL *	23 165.4			1 838.1	31.8	1 870.1	1 407.5	462.6

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
64	2.50	0.050	0.54	0.75	113	860	40	9 009	-400.0	1 240.8	1985	89 12 - ABAND 90 09
16	10.30	0.050	0.27	0.75	113	868	40	9 284	-428.6	1 249.1	1977	93 12 - GPP
64	7.20	0.060	0.40	0.75	88	860	40	9 563	-464.4	1 309.0	1987	88 12 - GPP
45	7.53	0.252	0.32	0.88	41	892	46	8 343	-436.1	1 124.8	1951	93 02 - ABAND 92 11
64	1.70	0.120	0.20	0.72	115	815	70	22 480	-1 203.6	2 253.2	1985	86 03 - ABAND 91 04
1 404	2.40	0.070	0.30	0.73	115	815	63	20 071	-1 549.4	2 628.6	1987	93 11
64	2.60	0.100	0.37	0.82	68	778	64	18 073	-1 553.4	2 643.2	1987	88 08 - GPP
64	2.48	0.080	0.29	0.82	207	809	92	16 805	-1 451.8	2 530.4	1988	89 06
64	1.24	0.190	0.20	0.84	62	844	56	8 234	-436.2	1 140.6	1973	91 12 - GPP
64	1.86	0.160	0.25	0.87	55	849	38	7 606	-443.8	1 157.3	1977	83 12 - ABAND 89 03
64	1.00	0.170	0.40	0.89	74	867	45	11 233	-606.1	1 304.8	1983	86 10 - GPP
1 631					64	871	48	11 429	-613.9	1 324.0	1966	93 09
224	10.80	0.130	0.33	0.76								
1 407	10.15	0.150	0.30	0.76								
1 279	5.71	0.200	0.37	0.87	68	825	41	11 037	-651.2	1 354.9	1973	89 02 - GPP
32	4.57	0.140	0.30	0.76	73	865	47	10 125	-627.6	1 345.4	1968	82 09
64	3.70	0.240	0.33	0.86	48	892	64	10 998	-622.3	1 351.2	1984	88 12
64	2.73	0.120	0.40	0.70	156	824	82	13 731	-958.9	1 834.4	1980	88 12 - GPP
32	5.95	0.120	0.51	0.70	120	804	54	11 522	-626.8	1 939.7	1987	92 06 - GPP
64	4.22	0.157	0.42	0.70	133	809	44	11 505	-624.6	1 951.6	1988	88 09
64	4.40	0.110	0.36	0.64	189	801	53		-861.9	2 045.8	1982	92 06
32	3.05	0.261	0.35	0.87	27	805	33		34.6	780.7	1965	93 07 - ABAND 71 10
1 581					50	844	46	7 911	-535.5	1 416.6	1959	90 12
1 000	2.34	0.130	0.40	0.90								
581	2.60	0.130	0.40	0.90								
64	3.20	0.120	0.60	0.91	34	830	58	8 068	-549.1	1 464.6	1982	89 12 - ABAND 88 09
3 376	3.24	0.130	0.37	0.91	34	858	58	8 103	-551.3	1 399.1	1980	89 03
64	5.70	0.120	0.40	0.86	48	817	57	8 116	-552.1	1 419.9	1983	85 08
65	1.83	0.150	0.15	0.89	39	910	51	12 507	-707.6	1 648.2	1977	77 06 - ABAND 78 05
64	4.00	0.170	0.20	0.83	59	915	63	12 483	-692.9	1 595.1	1978	78 10 - GPP
64	2.20	0.170	0.15	0.83	58	850	63	6 845	-723.1	1 627.3	1978	82 12 - GPP
64	1.20	0.180	0.60	0.83	59	874	63	11 536	-706.2	1 572.8	1985	86 06 - GPP
5 376	1.51	0.150	0.18	0.83	33	921	48	13 623	-694.4	1 579.2	1964	83 02 - GPP
65	3.35	0.180	0.15	0.83	59	915	63	13 498	-697.5	1 602.5	1977	80 12 - GPP
64	4.00	0.150	0.20	0.85	80	900	60	7 752	-579.9	1 443.0	1979	80 06 - ABAND 81 01
117	10.63	0.065	0.22	0.75	106	829	70	15 941	-986.3	1 833.5	1955	84 01 - GPP
65	2.59	0.140	0.42	0.85	106	829	71	16 904	-1 022.9	1 879.9	1959	73 02 - GPP
404	4.57	0.045	0.25	0.80	83	829	72	16 995	-996.1	1 879.1	1968	91 12 - GPP
65	3.96	0.060	0.20	0.80	83	829	57	14 157	-993.2	1 872.5	1974	75 08 - ABAND 77 07
128	3.02	0.050	0.19	0.69	147	820	60	17 334	-1 048.8	1 932.4	1964	83 09 - ABAND 83 09
90	12.16	0.080	0.18	0.75	105	855	63	15 848	-901.0	1 787.7	1968	89 12 - GPP
64	5.50	0.110	0.10	0.73	110	844	65	19 201	-1 241.6	2 129.3	1981	82 03 - ABAND 81 12
83	7.30	0.062	0.17	0.73	129	834	71	14 352	-1 043.5	1 908.4	1983	89 12
64	2.30	0.070	0.10	0.80	81	874	56	16 014	-982.8	1 850.2	1986	87 04 - ABAND 87 08

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
CHIGWELL NORTH 042-24W4								
D-3 A	110.0	<0.01		0.5		0.5	0.5	
D-3 B	130.0	0.30		39.0		39.0	9.6	29.4
D-3 C	377.0	0.35		132.0		132.0	22.9	109.1
D-3 D	47.5	0.10		4.8		4.8	0.8	4.0
FIELD TOTAL	664.5			176.3		176.3	33.8	142.5
CHIP LAKE 053-10W5								
ROCK CREEK A	222.0	0.10		22.2		22.2	12.1	10.1
ROCK CREEK B	830.0	0.10		83.0		83.0	18.7	64.3
FIELD TOTAL	1 052.0			105.2		105.2	30.8	74.4
CINDY 077-01W6								
DEBOLT A	443.0	0.10		44.3		44.3	12.0	32.3
D-1 A	75.0	0.10		7.5		7.5	4.8	2.7
D-1 B	213.0	0.05		10.7		10.7	8.7	2.0
FIELD TOTAL	731.0			62.5		62.5	25.5	37.0
CLARESHOLM 013-26W4								
BARONS A	300.0	0.25		75.0		75.0	58.7	16.3
BARONS B	15.5	<0.02		0.3		0.3	0.3	
GLAUCONITIC C	58.7	0.10		5.9		5.9	3.0	2.9
RUNDLE A	1 916.0	0.04		76.6		76.6	50.9	25.7
RUNDLE B	1 338.0	0.03		40.1		40.1	36.4	3.7
RUNDLE C	56.4	<0.08		4.2		4.2	4.2	
RUNDLE F	186.0	<0.03		3.8		3.8	3.8	
FIELD TOTAL	3 870.6			205.9		205.9	157.3	48.6
CLEAR HILLS 087-11W6								
HALFWAY A	219.0	0.20		43.8		43.8	13.2	30.6
FIELD TOTAL	219.0			43.8		43.8	13.2	30.6
CLEAR PRAIRIE 091-12W6								
GETHING A	304.0	<0.01		0.2		0.2	0.2	
TRIASSIC A	186.0	<0.01		0.3		0.3	0.3	
FIELD TOTAL	490.0			0.5		0.5	0.5	
CLIVE 040-24W4								
GLAUCONITIC A	195.0	<0.01		0.1		0.1	0.1	
GLAUCONITIC B	64.0	<0.01		0.1		0.1	0.1	
GLAUCONITIC C	350.0	0.10		35.0		35.0	20.9	14.1
D-2 A TOTAL	7 144.0			2 446.0	1 255.0	3 701.0	3 073.2	627.8
PRIMARY AREA	170.0	0.03		5.1		5.1		
WATER FLOOD AREA	6 974.0	0.35	0.18	2 441.0	1 255.0	3 696.0		
D-2 B TOTAL	683.0			126.0	60.0	186.0	179.9	6.1
PRIMARY AREA	183.0	<0.01		1.0		1.0		
WATER FLOOD AREA	500.0	0.25	0.12	125.0	60.0	185.0		
D-2 C	35.0	<0.07		2.2		2.2	2.2	
D-3 A TOTAL	12 310.0			4 925.0	3 000.0	7 925.0	6 304.0	1 621.0
PRIMARY AREA	313.0	0.40		125.0		125.0		
WATER FLOOD AREA	12 000.0	0.40	0.25	4 800.0	3 000.0	7 800.0		
FIELD TOTAL	20 781.0			7 534.4	4 315.0	11 849.4	9 580.4	2 269.0
CLOVER 061-17W5								
GETHING A	60.5	<0.01		0.1		0.1	0.1	
FIELD TOTAL	60.5			0.1		0.1	0.1	
CORNWALL 070-26W5								
GILWOOD A	102.0	0.10		10.2		10.2	2.5	7.7
FIELD TOTAL	102.0			10.2		10.2	2.5	7.7

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
64	4.50	0.070	0.25	0.73	120	844	59	13 746	-979.1	1 843.3	1980	82 03 - ABAND 84 07
32	7.30	0.090	0.15	0.73	119	832	72	12 824	-948.4	1 848.7	1991	92 03
64	8.00	0.120	0.16	0.73	119	833	72	12 742	-941.6	1 836.8	1991	91 10
16	5.20	0.080	0.14	0.83	120	840	59	13 217	-973.8	1 849.0	1990	92 11
32	10.50	0.125	0.34	0.80	85	838	58	18 574	-1 000.9	1 810.5	1981	92 08 - GPP
290	3.50	0.140	0.27	0.80	93	841	60	18 605	-1 008.2	1 856.3	1978	90 02
110	3.58	0.210	0.20	0.67	163	832	64	15 908	-903.7	1 534.4	1987	90 03 - GPP
10	21.80	0.050	0.14	0.80	72	842	70	22 142	-1 504.1	2 118.9	1984	90 12 - GPP
16	59.50	0.040	0.30	0.80	68	838	69	22 722	-1 528.7	2 136.8	1985	92 08
114	3.80	0.130	0.22	0.68	150	810	51	13 752	-1 056.4	2 109.7	1980	93 12 - GPP
64	0.70	0.050	0.10	0.77	110	813	70	13 877	-1 032.1	2 083.6	1987	92 10
64	1.30	0.120	0.30	0.84	65	857	50	8 033	-819.1	1 780.7	1980	82 12 - GPP
129	28.96	0.086	0.16	0.71	131	844	55	19 775	-1 067.4	2 065.9	1971	78 12 - GPP
194	14.11	0.081	0.15	0.71	131	844	54	19 754	-1 065.8	2 061.3	1972	78 12 - GPP
65	3.05	0.060	0.35	0.73	128	849	60	20 628	-1 090.4	2 067.9	1967	73 01 - GPP
64	13.00	0.035	0.15	0.75	135	863	67	21 189	-819.1	1 780.7	1980	81 10 - ABAND 82 05
64	4.30	0.160	0.31	0.72	118	823	64	9 885	-466.7	1 238.2	1991	91 10 - GPP
64	3.70	0.230	0.38	0.90	35	882	36	7 787	-247.2	1 090.6	1975	92 10
64	3.00	0.200	0.45	0.88	43	894	49	8 229	-254.6	1 052.3	1979	89 06 - ABAND 91 02
64	4.00	0.130	0.35	0.90	35	881	62	11 541	-698.7	1 584.8	1978	79 01 - ABAND 79 09
64	1.40	0.120	0.30	0.85	58	881	62	11 464	-690.2	1 578.7	1978	83 12
128	2.64	0.160	0.28	0.90	35	881	45	10 254	-664.6	1 513.9	1982	92 11
3 505					148	820	69	17 143	-982.7	1 862.9	1951	91 11
173	2.96	0.060	0.20	0.69								
3 332	6.32	0.060	0.20	0.69								- GPP
322					148	820	68	16 486	-991.4	1 838.5	1966	93 12 - GPP
64	5.89	0.080	0.12	0.69								
258	6.12	0.052	0.12	0.69								
65	1.22	0.080	0.20	0.69	142	820	67	17 167	-989.7	1 891.9	1964	70 05 - ABAND 67 01
4 250					155	825	66	17 608	-1 017.8	1 894.0	1952	91 11
188	5.02	0.060	0.20	0.69								
4 062	8.92	0.060	0.20	0.69								- GPP
64	1.50	0.150	0.40	0.70	156	824	82	15 556	-1 086.3	2 018.0	1980	83 12 - GPP
32	4.80	0.100	0.20	0.83	100	844	95	26 725	-2 536.0	3 196.4	1983	91 12 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
COUTTS 001-16W4								
MOULTON A TOTAL	2 168.0			433.0	303.0	736.0	648.2	87.8
PRIMARY AREA	906.0	0.20		181.0		181.0		
WATER FLOOD AREA	1 262.0	0.20	0.24	252.0	303.0	555.0		
MOULTON B	89.2	<0.01		0.7		0.7	0.7	
MOULTON D	50.4	0.10		5.0		5.0	3.0	2.0
CUTBANK A	30.2	0.10		3.0		3.0	1.0	2.0
FIELD TOTAL	2 337.8			441.7	303.0	744.7	652.9	91.8
COYOTE 029-15W4								
GLAUCONITIC G	94.1	<0.01		0.1		0.1	0.1	
BANFF A	70.3	<0.01		0.3		0.3	0.3	
BANFF B	157.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL	321.4			0.5		0.5	0.5	
CRAIGMYLE 032-16W4								
OSTRACOD B	150.0	0.03		4.5		4.5	1.2	3.3
OSTRACOD C	38.5	0.10		3.9		3.9	0.9	3.0
ELLERSLIE E	187.0	0.10		18.7		18.7	1.0	17.7
DETRITAL B	177.0	<0.01		0.2		0.2	0.2	
DETRITAL D	152.0	<0.01		0.1		0.1	0.1	
BANFF A	217.0	0.10		21.7		21.7	9.8	11.9
BANFF B	156.0	0.10		15.6		15.6	8.1	7.5
BANFF E	88.0	<0.01		0.1		0.1	0.1	
BANFF F	254.0	0.10		25.4		25.4	23.6	1.8
BANFF G	79.4	<0.01		0.1		0.1	0.1	
BANFF H	89.8	<0.01		0.1		0.1	0.1	
BANFF I	465.0	0.10		46.5		46.5	43.4	3.1
BANFF K	484.0	0.12		58.1		58.1	24.6	33.5
BANFF L	113.0	<0.01		0.7		0.7	0.7	
BANFF M	31.7	<0.01		0.1		0.1	0.1	
BANFF N	79.2	0.10		7.9		7.9	0.2	7.7
BANFF O	360.0	<0.01		0.2		0.2	0.2	
BANFF Q	85.4	<0.01		0.6		0.6	0.6	
BANFF R	234.0	0.10		23.4		23.4	1.5	21.9
FIELD TOTAL	3 441.0			227.9		227.9	116.5	111.4
CRANBERRY 096-04W6								
GILWOOD A	96.1	0.20		19.2		19.2	11.3	7.9
FIELD TOTAL	96.1			19.2		19.2	11.3	7.9
CROSSFIELD 026-01W5								
CARDIUM A TOTAL	25 700.0			1 542.0	1 743.0	3 285.0	3 095.3	189.7
PRIMARY AREA	795.0	0.06		47.7		47.7		
WATER FLOOD AREA	24 900.0	0.06	0.07	1 494.0	1 743.0	3 237.0		
CARDIUM B	391.0	0.10		39.1		39.1	23.6	15.5
CARDIUM C	53.7	0.10		5.4		5.4	2.6	2.8
JUMPING POUND A	119.0	0.14		16.7		16.7	13.2	3.5
SECOND WHITE	278.0	0.18		50.0		50.0	41.5	8.5
SPECKS A								
SECOND WHITE	253.0	0.15		38.0		38.0	35.1	2.9
SPECKS B								
VIKING A	311.0	0.15		46.7		46.7	27.5	19.2
VIKING B	388.0	0.15		58.2		58.2	51.5	6.7
VIKING C	38.8	0.15		5.8		5.8	5.2	0.6
VIKING E	140.0	0.10		14.0		14.0	2.5	11.5
VIKING F	93.3	0.10		9.3		9.3	0.2	9.1
RUNDLE C	1 000.0	0.20		200.0		200.0	118.0	82.0
RUNDLE E	406.0	0.25		102.0		102.0	96.9	5.1
RUNDLE G	1 230.0	0.25		308.0		308.0	252.6	55.4
RUNDLE J	228.0	0.07		16.0		16.0	9.9	6.1
RUNDLE M	488.0	0.10		48.8		48.8	32.3	16.5
FIELD TOTAL	31 117.8			2 500.0	1 743.0	4 243.0	3 807.9	435.1
CROSSFIELD EAST 029-01W5								
CARDIUM B	144.0	0.07		10.1		10.1	6.3	3.8
CARDIUM C	2 430.0	0.14		340.0		340.0	299.7	40.3

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
288					55	825	29	6 528	316.3	773.6	1966	92 10 - GPP
96	8.71	0.210	0.40	0.86								
192	6.07	0.210	0.40	0.86								
64	2.16	0.150	0.50	0.86	64	825	29	6 594	302.5	765.8	1969	83 12 - ABAND 86 04
16	2.50	0.190	0.22	0.85	55	820	27	6 867	283.3	781.6	1988	89 01 - GPP
64	0.60	0.140	0.34	0.85	55	820	27	7 112	274.5	784.4	1988	88 07
64	1.50	0.220	0.45	0.81	64	876	43	9 394	-339.3	1 296.8	1982	84 02 - ABAND 90 10
64	3.00	0.080	0.48	0.88	33	859	47	8 925	-369.4	1 295.0	1985	85 09 - ABAND 87 01
16	26.80	0.070	0.33	0.78	60	876	45	9 015	-364.7	1 303.6	1986	92 11 - ABAND 92 09
32	4.50	0.270	0.50	0.77	40	871	51	9 607	-395.1	1 247.6	1979	92 08 - GPP
16	2.70	0.220	0.48	0.78	84	865	42		-400.9	1 261.4	1951	93 05 - GPP
64	3.40	0.180	0.38	0.77	58	880	42	9 455	-417.4	1 273.7	1986	86 08 - GPP
64	2.00	0.210	0.25	0.88	45	860	39	8 394	-398.4	1 238.0	1986	87 07 - ABAND 89 03
32	4.30	0.180	0.28	0.85	61	834	42	7 466	-403.7	1 242.2	1986	90 12 - GPP
64	9.50	0.070	0.40	0.85	65	869	43	9 707	-411.7	1 248.6	1984	84 10 - GPP
64	9.00	0.058	0.45	0.85	60	859	39	9 101	-450.0	1 296.0	1986	86 10 - GPP
32	15.00	0.037	0.34	0.75	88	860	40	9 686	-409.6	1 250.0	1986	91 10 - ABAND 89 02
32	23.60	0.070	0.36	0.75	88	860	40	8 665	-410.5	1 255.3	1986	93 12 - GPP
64	4.80	0.040	0.24	0.85	61	860	42	9 526	-405.8	1 237.7	1986	87 04 - ABAND 87 05
32	11.00	0.040	0.25	0.85	61	860	37	9 126	-425.1	1 262.5	1986	91 10 - ABAND 89 08
100	13.70	0.054	0.26	0.85	60	869	36	9 553	-418.3	1 266.4	1986	92 09 - GPP
64	23.98	0.053	0.30	0.85	45	898	41	10 956	-436.3	1 279.6	1985	89 10 - GPP
64	8.10	0.040	0.36	0.85	64	880	40	9 758	-424.1	1 275.1	1986	86 08 - ABAND 89 02
64	4.00	0.030	0.45	0.75	88	878	40	11 044	-433.9	1 289.5	1985	89 12 - ABAND 89 02
64	2.60	0.080	0.30	0.85	60	870	41	8 878	-409.1	1 252.9	1986	87 11
64	14.50	0.060	0.24	0.85	60	870	41	9 685	-409.0	1 236.2	1986	87 11 - ABAND 87 12
64	5.70	0.050	0.40	0.78	58	880	40	8 893	-431.2	1 288.8	1986	89 12 - ABAND 90 04
64	15.50	0.050	0.37	0.75	88	860	40	8 489	-422.1	1 263.0	1985	92 05
64	3.00	0.110	0.35	0.70	68	825	62	22 978	-1 499.6	2 461.5	1980	82 02 - GPP
12 910					82	834	66	25 047	-897.5	2 033.3	1956	91 12 - GPP
259	4.30	0.098	0.10	0.81								
12 651	2.50	0.108	0.10	0.81								
192	2.71	0.110	0.10	0.76	53	834	54	8 370	-599.7	1 643.7	1961	84 12 - GPP
64	1.30	0.100	0.15	0.76	105	851	54	8 323	-595.1	1 634.7	1982	84 03 - GPP
110	1.22	0.160	0.30	0.79	82	834	66	28 355	-915.0	2 082.7	1961	82 12 - GPP
285	6.64	0.030	0.30	0.70	89	815	49	28 360	-1 069.6	2 234.5	1974	93 12 - GPP
64	3.00	0.220	0.20	0.75	85	827	70	27 693	-945.4	2 171.5	1980	87 12
262	1.90	0.110	0.29	0.80	44	839	64	22 511	-1 024.9	2 169.8	1964	86 09 - GPP
701	1.11	0.120	0.48	0.80	84	838	80	14 487	-1 138.3	2 242.2	1982	89 12 - GPP
64	1.60	0.080	0.40	0.79	84	838	80	16 137	-1 080.9	2 290.2	1982	87 12 - GPP
64	5.97	0.077	0.44	0.85	48	811	72	16 001	-1 055.6	2 270.9	1983	85 03 - GPP
64	3.00	0.090	0.40	0.90	28	839	64	4 951	-997.1	2 140.8	1991	92 09
128	12.98	0.110	0.28	0.76	133	865	81	25 865	-1 798.7	2 608.4	1963	86 10
64	6.70	0.150	0.17	0.76	121	860	71	19 608	-1 077.8	2 114.4	1967	90 06
202	12.19	0.102	0.30	0.70	131	860	81	22 441	-1 381.2	2 606.9	1973	76 06
32	15.27	0.084	0.27	0.76	103	871	81	20 632	-1 387.4	2 610.5	1988	93 12 - GPP
64	12.50	0.110	0.27	0.76	121	860	71	20 290	-1 066.0	2 100.8	1970	90 06 - GPP
128	1.60	0.110	0.15	0.75	46	815	60	20 648	-677.6	1 719.3	1965	83 10 - GPP
3 098	1.14	0.100	0.14	0.80	69	849	59	20 898	-711.9	1 744.1	1954	89 12 - GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
CROSSFIELD EAST 029-01W5 (CONTINUED)								
CARDIUM D	1 148.0	0.06		68.9		68.9	53.8	15.1
CARDIUM F	57.9	0.15		8.7		8.7	5.6	3.1
VIKING A	179.0	<0.02		2.2		2.2	2.2	
ELLERSLIE A	212.0	0.05		10.6		10.6	9.4	1.2
ELKTON A	1 060.0	0.17		180.0		180.0	175.9	4.1
ELKTON B	188.0	<0.01		0.1		0.1		0.1
ELKTON D	2 702.0	0.14		378.0		378.0	354.2	23.8
ELKTON F	634.0	0.15		95.1		95.1	76.9	18.2
FIELD TOTAL	8 754.9			1 093.7		1 093.7	984.0	109.7
CRYSTAL 046-03W5								
BELLY RIVER A	194.0	0.05		9.7		9.7	4.3	5.4
BELLY RIVER B	80.8	<0.01		0.1		0.1	0.1	
VIKING A TOTAL	16 380.0			2 010.0	3 523.0	5 533.0	2 811.2	2 721.8
PRIMARY AREA	2 290.0	0.06		137.0		137.0		
WATER FLOOD AREA	14 090.0	<0.14	0.25	1 873.0	3 523.0	5 396.0		
VIKING H	2 000.0	0.07		140.0		140.0	121.4	18.6
VIKING I	242.0	0.05		12.1		12.1	0.4	11.7
VIKING K	49.4	0.10		4.9		4.9	2.9	2.0
FIELD TOTAL	18 946.2			2 176.8	3 523.0	5 699.8	2 940.3	2 759.5
CULP 079-24W5								
WABAMUN A	280.0	0.10		28.0		28.0	20.1	7.9
WABAMUN B	274.0	0.15		41.1		41.1	23.2	17.9
WABAMUN C	283.0	0.10		28.3		28.3	12.9	15.4
WABAMUN D	158.0	0.25		39.5		39.5	25.5	14.0
WABAMUN E	289.0	0.15		43.4		43.4	7.4	36.0
WABAMUN F	330.0	<0.03		7.3		7.3	7.3	
WABAMUN G	64.7	<0.01		0.6		0.6	0.6	
WABAMUN H	198.0	0.10		19.8		19.8	6.2	13.6
WABAMUN I	431.0	0.15		64.6		64.6	18.0	46.6
GRANITE WASH A	86.6	0.25		21.7		21.7	15.4	6.3
FIELD TOTAL	2 394.3			294.3		294.3	136.6	157.7
CYGNET 038-01W5								
BELLY RIVER A	70.7	<0.01		0.5		0.5	0.5	
VIKING A	385.0	0.10		38.5		38.5	31.0	7.5
VIKING C	176.0	0.15		26.4		26.4	14.1	12.3
VIKING F	140.0	<0.01		0.1		0.1	0.1	
VIKING G	613.0	0.06		36.8		36.8	35.5	1.3
VIKING H	142.0	0.15		21.3		21.3	15.6	5.7
VIKING J	139.0	<0.02		1.6		1.6	1.6	
VIKING K	50.4	0.20		10.1		10.1	7.3	2.8
VIKING M	24.6	0.05		1.2		1.2	0.5	0.7
VIKING N	184.0	<0.05		7.4		7.4	7.4	
VIKING O	150.0	0.22		33.0		33.0	28.7	4.3
VIKING P	49.1	0.15		7.4		7.4	1.9	5.5
VIKING Q	85.6	0.15		12.8		12.8	8.3	4.5
VIKING R	106.0	0.15		15.9		15.9	1.5	14.4
GLAUCONITIC A	36.3	<0.01		0.2		0.2	0.2	
GLAUCONITIC B	207.0	0.15		31.1		31.1	9.1	22.0
GLAUCONITIC C	154.0	<0.02		2.1		2.1	2.1	
GLAUCONITIC E	107.0	0.15		16.1		16.1	5.5	10.6
ELLERSLIE A	86.4	<0.06		5.0		5.0	5.0	
ELLERSLIE B	30.4	<0.01		0.1		0.1	0.1	
ELLERSLIE C	76.4	0.15		11.5		11.5	3.5	8.0
ELLERSLIE D	117.0	<0.01		0.5		0.5	0.5	
ELLERSLIE E	60.5	<0.01		0.2		0.2	0.2	
ELLERSLIE J	62.3	0.10		6.2		6.2	1.7	4.5
ELLERSLIE K	134.0	0.10		13.4		13.4	2.5	10.9
ELLERSLIE M	58.2	0.10		5.8		5.8	1.8	4.0
ELLERSLIE R	91.2	<0.01		0.6		0.6	0.6	
ELLERSLIE V	28.6	0.05		1.4		1.4	0.6	0.8
PEKISKO A	563.0	0.05		28.2		28.2	15.7	12.5
FIELD TOTAL	4 127.7			335.4		335.4	203.1	132.3

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
473	3.31	0.115	0.15	0.75	53	815	63	20 711	-650.2	1 681.1	1966	88 07 - GPP
64	1.00	0.130	0.13	0.80	85	850	50	14 245	-616.3	1 637.5	1984	85 06 - GPP
64	4.60	0.130	0.33	0.70	44	840	56	20 137	-992.5	2 116.1	1981	92 07 - ABAND 91 12
64	5.30	0.100	0.30	0.89	35	874	66	15 344	-1 081.2	2 103.8	1977	79 01 - GPP
486	6.74	0.060	0.17	0.65	195	855	70	20 976	-1 201.0	2 281.5	1961	81 12 - GPP
65	11.86	0.047	0.20	0.65	191	855	71	20 783	-1 196.0	2 241.2	1965	68 05 - ABAND 67 09
462	11.00	0.092	0.15	0.68	191	855	79	21 238	-1 224.6	2 330.6	1960	87 12 - GPP
128	11.40	0.090	0.29	0.68	154	853	79	20 934	-1 245.3	2 332.6	1975	87 12
32	7.30	0.170	0.45	0.89	39	845	44	7 339	-173.1	1 131.1	1986	91 12 - GPP
32	3.32	0.150	0.43	0.89	39	845	44			1 152.8	1992	93 12
5 090					82	825	76	10 534	-801.6	1 793.2	1978	88 12
2 295	3.91	0.090	0.65	0.81								- GPP
2 795	9.56	0.105	0.38	0.81								
1 079	2.85	0.118	0.32	0.81	74	807	60	10 775	-802.9	1 741.7	1978	93 01
64	11.52	0.090	0.55	0.81	74	835	60	9 486	-804.6	1 743.9	1985	92 03
64	2.23	0.075	0.43	0.81	74	836	60	10 443	-813.6	1 757.6	1984	92 12
32	40.60	0.045	0.40	0.80	76	858	61	19 634	-1 282.1	1 853.7	1985	90 12 - GPP
20	20.90	0.120	0.30	0.78	111	841	60	20 878	-1 345.2	1 902.8	1985	90 12 - GPP
16	57.00	0.044	0.15	0.83	62	848	61	19 543	-1 284.9	1 839.7	1988	90 12 - GPP
32	19.29	0.045	0.28	0.79	99	852	57	19 847	-1 337.3	1 867.5	1990	91 05 - GPP
32	30.90	0.050	0.26	0.79	99	852	57	19 565	-1 292.2	1 852.7	1990	91 11
32	37.50	0.040	0.13	0.79	99	852	57	19 376	-1 273.1	1 844.6	1990	92 11 - ABAND 92 08
16	12.80	0.070	0.45	0.82	67	835	62	18 681	-1 213.5	1 779.8	1991	93 02 - ABAND 92 11
16	31.50	0.060	0.21	0.83	62	833	61	19 138	-1 265.7	1 838.1	1991	93 12
32	29.70	0.070	0.20	0.81	77	858	60	19 177	-1 267.4	1 841.5	1991	91 11 - GPP
64	1.70	0.150	0.39	0.87	35	835	74	26 373	-1 835.8	2 399.0	1986	85 07 - GPP
16	5.00	0.160	0.40	0.92	27	806	33	9 175	-119.0	1 038.2	1985	93 05 - ABAND 92 06
607	1.94	0.065	0.37	0.80	130	813	65	13 084	-741.0	1 627.1	1981	91 12 - GPP
259	1.89	0.090	0.43	0.70	130	820	57	13 292	-755.4	1 710.3	1979	85 04 - GPP
64	3.50	0.120	0.35	0.80	78	821	50	13 018	-768.6	1 688.3	1983	83 12
1 088	1.60	0.080	0.45	0.80	100	820	65	12 850	-739.5	1 650.2	1980	91 12 - GPP
256	1.60	0.080	0.46	0.80	100	818	65	12 815	-733.8	1 634.5	1980	86 01 - GPP
64	4.40	0.100	0.35	0.76	130	798	44	12 366	-780.6	1 723.2	1983	84 04 - ABAND 86 10
192	0.68	0.070	0.31	0.80	83	822	63	11 838	-761.2	1 689.4	1984	85 11 - GPP
64	1.00	0.080	0.40	0.80	99	803	44	13 455	-759.0	1 670.2	1980	90 11 - GPP
256	2.14	0.060	0.30	0.80	74	821	63	11 427	-734.8	1 633.0	1985	92 10
192	2.28	0.070	0.39	0.80	99	802	44	12 429	-790.3	1 728.6	1986	93 12
64	1.40	0.090	0.22	0.78	99	817	68	10 859	-735.2	1 668.2	1988	89 03
128	2.00	0.080	0.45	0.76	131	820	44	12 840	-737.9	1 644.0	1985	90 11 - GPP
128	1.57	0.103	0.36	0.80	80	828	48	9 848	-764.9	1 677.1	1985	87 10
32	1.50	0.140	0.35	0.83	68	923	62	12 851	-920.8	1 832.0	1980	80 11 - ABAND 85 01
64	3.70	0.140	0.22	0.80	90	868	65	16 053	-923.5	1 834.3	1985	85 12
64	2.80	0.130	0.15	0.78	91	877	58	16 544	-955.8	1 824.5	1985	89 12
64	1.90	0.140	0.17	0.76	90	850	66	14 340	-897.6	1 830.5	1988	89 01 - GPP
120	1.00	0.120	0.25	0.80	70	818	61	15 384	-1 000.1	1 942.7	1985	92 10
64	1.10	0.090	0.40	0.80	80	865	58	14 868	-950.8	1 813.2	1985	89 12
64	1.20	0.150	0.15	0.78	91	861	69	15 270	-1 024.4	1 976.2	1985	86 08 - GPP
64	2.80	0.110	0.24	0.78	91	907	69	14 761	-956.1	1 866.9	1986	87 04 - ABAND 90 10
64	1.50	0.105	0.25	0.80	71	845	70	13 099	-952.2	1 891.8	1985	91 12 - ABAND 91 09
64	1.30	0.120	0.22	0.80	76	861	74	15 299	-1 008.3	1 916.8	1981	82 02
64	3.10	0.120	0.28	0.78	91	879	69	16 665	-929.2	1 862.2	1988	88 12
64	2.00	0.080	0.28	0.79	91	891	69	15 140	-949.3	1 883.8	1988	89 03 - GPP
64	2.70	0.120	0.45	0.80	79	891	70	15 119	-946.7	1 848.8	1989	90 03 - ABAND 90 10
16	2.40	0.110	0.24	0.89	45	875	35	15 213	-979.9	1 922.5	1985	92 05 - GPP
128	9.77	0.084	0.33	0.80	95	913	54	16 591	-955.2	1 837.0	1985	89 08

TABLE 2-6

FIELD POOL	1	3		5			6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL			
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	
CYN-PEM 051-11W5									
BELLY RIVER A	269.0	<0.02		4.5		4.5	4.5		
BELLY RIVER B	184.0	<0.01		1.8		1.8	1.8		
BELLY RIVER C TOTAL	1 270.0			191.0	100.0	291.0	105.4	185.6	
PRIMARY AREA	270.0	0.15		40.5		40.5			
WATER FLOOD AREA	1 000.0	0.15	0.10	150.0	100.0	250.0			
CARDIUM A TOTAL	6 480.0			772.0	1 474.0	2 246.0	2 175.6	70.4	
PRIMARY AREA	70.2	<0.09		6.0		6.0			
WATER FLOOD AREA	6 410.0	<0.12	0.23	766.0	1 474.0	2 240.0			
CARDIUM B	575.0	0.10		57.5		57.5	46.3	11.2	
CARDIUM C TOTAL	1 450.0			162.0	122.0	284.0	235.0	49.0	
PRIMARY AREA	90.0	<0.05		4.0		4.0			
WATER FLOOD AREA	1 360.0	<0.12	0.09	158.0	122.0	280.0			
CARDIUM D TOTAL	6 507.0			774.0	1 426.0	2 200.0	1 772.0	428.0	
PRIMARY AREA	303.0	0.10		30.3		30.3			
WATER FLOOD AREA	6 204.0	0.12	0.23	744.0	1 426.0	2 170.0			
CARDIUM F	54.1	<0.01		0.2		0.2	0.2		
CARDIUM J	239.0	<0.01		2.1		2.1	2.1		
CARDIUM L	1 000.0	0.12	0.33	120.0	330.0	450.0	343.7	106.3	
WATER FLOOD									
CARDIUM M	170.0	0.13		22.1		22.1	18.8	3.3	
CARDIUM N	185.0	0.10		18.5		18.5	5.4	13.1	
CARDIUM O GAS FLOOD	900.0	0.20	0.10	180.0	90.0	270.0	168.8	101.2	
CARDIUM P	700.0	<0.09		59.5		59.5	36.0	23.5	
CARDIUM Q	54.2	<0.03		1.6		1.6	1.6		
CARDIUM R	49.2	0.12		5.9		5.9	1.4	4.5	
CARDIUM T	339.0	0.02		6.8		6.8	4.2	2.6	
CARDIUM U	72.6	0.20		14.5		14.5	10.7	3.8	
CARDIUM V	84.4	<0.02		1.4		1.4	1.4		
CARDIUM W	247.0	0.15		37.1		37.1	1.3	35.8	
VIKING A	310.0	0.15		46.5		46.5	11.0	35.5	
OSTRACOD A	234.0	0.15		35.1		35.1	31.3	3.8	
ELLERSLIE E	211.0	0.05		10.6		10.6	3.6	7.0	
ROCK CREEK I	63.4	0.02		1.3		1.3	0.6	0.7	
ROCK CREEK K	216.0	<0.01		0.1		0.1	0.1		
ROCK CREEK C & G	313.0	0.03		9.4		9.4	5.9	3.5	
NISKU A WATER FLOOD	475.0	0.20	0.25	95.0	119.0	214.0	138.0	76.0	
FIELD TOTAL	22 651.9			2 630.5	3 661.0	6 291.5	5 126.7	1 164.8	
DAVEY 034-27W4									
BELLY RIVER B	3 284.0	0.05		164.0		164.0	99.5	64.5	
BELLY RIVER F	857.0	0.05		42.9		42.9	21.9	21.0	
BELLY RIVER G	168.0	0.05		8.4		8.4	5.7	2.7	
ELLERSLIE A & PEKISKO E	29.9	0.05		1.5		1.5	0.2	1.3	
PEKISKO A	3 110.0	0.06		187.0		187.0	165.4	21.6	
PEKISKO C	183.0	0.05		9.2		9.2	3.9	5.3	
D-2 A	112.0	<0.01		0.3		0.3	0.3		
D-2 B	278.0	<0.01		2.1		2.1	2.1		
FIELD TOTAL	8 021.9			415.4		415.4	299.0	116.4	
DAWSON 080-17W5									
BEAVERHILL LAKE A	477.0	0.20		95.4		95.4	79.9	15.5	
BEAVERHILL LAKE B	368.0	0.10		36.8		36.8	25.3	11.5	
BEAVERHILL LAKE C	117.0	<0.16		18.5		18.5	18.5		
SLAVE POINT A	72.9	<0.04		2.5		2.5	2.5		
SLAVE POINT B	128.0	0.25		32.0		32.0	21.6	10.4	
SLAVE POINT C	84.1	0.12		10.1		10.1	8.6	1.5	
SLAVE POINT D	294.0	<0.01		0.6		0.6	0.6		
SLAVE POINT E	17.6	<0.07		1.2		1.2	1.2		
SLAVE POINT F	40.0	<0.17		6.7		6.7	6.7		
SLAVE POINT G	40.0	0.15		6.0		6.0	1.8	4.2	
SLAVE POINT H	661.0	0.20		132.0		132.0	50.3	81.7	
SLAVE POINT I	189.0	0.15		28.4		28.4	9.1	19.3	
SLAVE POINT J	530.0	0.15		79.5		79.5	38.1	41.4	
SLAVE POINT K	673.0	0.05		33.7		33.7	22.2	11.5	
SLAVE POINT L	51.5	<0.01		0.2		0.2	0.2		
SLAVE POINT M	343.0	0.25		85.8		85.8	43.8	42.0	
SLAVE POINT N	206.0	0.15		30.9		30.9	13.0	17.9	
SLAVE POINT O	93.7	0.10		9.4		9.4	4.3	5.1	
SLAVE POINT P	409.0	0.20		81.8		81.8	20.3	61.5	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
64	5.30	0.167	0.40	0.79	87	810	48	8 285	-271.2	1 206.0	1982	86 12 - ABAND 91 09
64	3.20	0.180	0.44	0.89	66	822	37	8 045	-274.6	1 183.3	1982	83 06 - ABAND 85 05
356					39	839	41	9 768	-416.3	1 377.3	1987	93 07
64	5.96	0.150	0.47	0.89								
292	4.02	0.145	0.34	0.89								
1 447					52	844	56	19 244	-703.8	1 647.3	1962	- GPP
128	0.73	0.097	0.11	0.87								
1 319	6.47	0.097	0.11	0.87								
150	4.66	0.105	0.10	0.87	52	844	57	19 299	-722.9	1 678.3	1962	- GPP
295					52	844	57	19 262	-701.0	1 651.9	1963	- GPP
39	2.72	0.107	0.10	0.88								
256	6.27	0.107	0.10	0.88								
1 562					41	868	54	12 987	-641.0	1 558.7	1980	- GPP
192	3.84	0.057	0.19	0.89								
1 370	6.36	0.100	0.20	0.89								
64	1.20	0.100	0.20	0.88	52	878	56	10 888	-648.2	1 544.4	1982	- GPP
64	7.00	0.100	0.40	0.89	41	871	54	10 585	-610.4	1 512.8	1982	- ABAND 87 11
171	6.51	0.120	0.15	0.88	61	856	56	19 165	-679.4	1 645.1	1983	- GPP
50	7.70	0.064	0.20	0.86	53	845	36	10 235	-773.0	1 791.0	1983	- GPP
64	2.88	0.134	0.15	0.88	44	844	58	19 050	-769.8	1 750.7	1984	- GPP
255	4.86	0.102	0.20	0.89	45	844	52	10 108	-652.5	1 565.3	1982	- GPP
545	1.76	0.105	0.22	0.89	42	825	66	19 452	-805.1	1 808.3	1982	- GPP
64	1.72	0.070	0.20	0.88	44	860	58	10 323	-783.5	1 770.8	1985	- ABAND 89 06
64	1.30	0.080	0.15	0.87	44	860	58	11 302	-675.8	1 605.2	1985	- GPP
64	6.00	0.130	0.20	0.85	54	834	64	8 517	-820.5	1 797.9	1980	- GPP
64	1.50	0.100	0.15	0.89	41	867	54	8 342	-630.5	1 569.1	1987	- GPP
64	2.65	0.065	0.11	0.86	78	835	57	8 799	-696.3	1 641.6	1981	- ABAND 90 07
64	5.13	0.120	0.27	0.86	53	845	58	18 019	-778.3	1 735.6	1991	- GPP
128	3.95	0.140	0.46	0.81	79	845	61	13 482	-982.5	1 916.2	1986	- GPP
128	2.64	0.116	0.17	0.72	384	787	91	29 044	-1 407.6	2 381.1	1982	- GPP
64	6.04	0.120	0.35	0.70	168	814	63	16 607	-1 246.6	2 223.0	1979	- GPP
64	2.40	0.082	0.32	0.74	120	828	80	19 800	-1 233.7	2 202.7	1983	- GPP
64	6.38	0.089	0.30	0.85	120	853	80	16 640	-1 231.8	2 174.2	1985	- GPP
64	10.25	0.104	0.38	0.74	120	829	78	16 026	-1 218.0	2 182.3	1981	- GPP
64	13.88	0.090	0.10	0.66	151	806	90	26 690	-1 729.7	2 658.7	1978	- GPP
832	4.21	0.180	0.44	0.93	17	840	44	4 255	-224.2	1 218.1	1978	- GPP
192	5.43	0.170	0.48	0.93	17	841	44	4 462	-230.6	1 187.5	1978	- GPP
32	4.94	0.190	0.40	0.93	26	854	43	4 050	-223.2	1 206.5	1980	- GPP
64	1.22	0.070	0.27	0.75	98	855	66	11 877	-979.0	1 942.8	1974	- GPP
768	11.21	0.066	0.27	0.75	98	855	66	12 668	-1 003.3	1 988.7	1958	- GPP
64	13.60	0.040	0.30	0.75	85	854	59	11 756	-993.9	1 990.7	1981	- GPP
65	9.75	0.034	0.20	0.65	177	825	66	21 802	-1 392.9	2 355.5	1974	- ABAND 77 12
65	16.46	0.049	0.18	0.65	220	825	66	21 669	-1 374.5	2 354.7	1974	- ABAND 79 11
127	6.38	0.090	0.15	0.77	91	825	69	20 152	-1 318.1	2 072.8	1953	- GPP
64	5.49	0.160	0.15	0.77	99	834	64	19 751	-1 287.5	2 026.9	1973	- GPP
129	3.96	0.035	0.15	0.77	91	845	69	20 010	-1 320.1	2 048.9	1954	- ABAND 85 08
64	2.80	0.066	0.23	0.80	72	839	67	19 606	-1 390.8	2 123.5	1984	- ABAND 91 11
67	3.80	0.080	0.28	0.87	42	840	59	20 345	-1 314.9	1 994.1	1982	- GPP
64	2.30	0.105	0.32	0.80	70	840	71	20 501	-1 392.4	2 122.8	1982	- GPP
64	7.68	0.095	0.30	0.90	29	840	55	21 242	-1 389.6	2 120.5	1983	- ABAND 90 07
64	0.88	0.060	0.40	0.87	42	837	53	18 532	-1 327.2	2 073.3	1983	- ABAND 90 11
96	2.00	0.060	0.60	0.87	92	838	69	20 189	-1 320.1	2 074.0	1980	- ABAND 90 10
64	1.71	0.060	0.30	0.87	45	842	48	19 740	-1 309.4	2 037.4	1986	- GPP
192	6.53	0.079	0.25	0.89	38	832	56	19 339	-1 226.9	1 932.8	1986	- GPP
64	8.40	0.057	0.29	0.87	38	832	56	20 008	-1 293.4	2 028.4	1986	- GPP
192	6.69	0.069	0.32	0.88	38	832	56	19 743	-1 246.6	1 978.4	1985	- GPP
64	12.30	0.108	0.10	0.88	39	825	54	19 567	-1 266.2	1 992.3	1988	- GPP
64	3.40	0.050	0.45	0.86	43	831	67	19 260	-1 314.2	2 002.3	1988	- ABAND 90 12
64	7.19	0.094	0.10	0.88	38	832	56	19 178	-1 184.4	1 888.2	1989	- GPP
64	5.44	0.083	0.18	0.87	55	853	65	21 457	-1 383.1	2 075.7	1988	- GPP
64	4.01	0.061	0.32	0.88	39	835	54	21 448	-1 193.0	1 879.8	1985	- GPP
64	9.50	0.090	0.15	0.88	39	825	54	19 678	-1 301.7	1 998.8	1990	- GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
DAWSON 080-17W5 (CONTINUED)								
GRANITE WASH A	115.0	<0.02		1.5		1.5	1.5	
GRANITE WASH B	337.0	0.05		16.9		16.9	11.7	5.2
GRANITE WASH C	130.0	<0.02		2.1		2.1	2.1	
FIELD TOTAL	5 376.8			712.0		712.0	383.3	328.7
DEL BONITA 001-21W4								
RUNDLE	397.0	0.31		123.0		123.0	115.6	7.4
FIELD TOTAL	397.0			123.0		123.0	115.6	7.4
DELIA 032-18W4								
ELLERSLIE A	73.4	<0.03		1.6		1.6	1.6	
FIELD TOTAL	73.4			1.6		1.6	1.6	
DIMSDALE 071-07W6								
CHARLIE LAKE A	140.0	0.20		28.0		28.0	15.5	12.5
HALFWAY A	183.0	0.05		9.2		9.2	3.4	5.8
HALFWAY B	82.1	0.20		16.4		16.4	8.3	8.1
FIELD TOTAL	405.1			53.6		53.6	27.2	26.4
DDE 081-12W6								
DOIG A	500.0	0.10		50.0		50.0	33.4	16.6
FIELD TOTAL	500.0			50.0		50.0	33.4	16.6
DONALDA 043-19W4								
VIKING I	282.0	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE F	172.0	0.15		25.8		25.8	23.9	1.9
FIELD TOTAL	454.0			26.0		26.0	24.1	1.9
DOWLING LAKE 032-15W4								
UPPER MANNVILLE A	465.0	0.10		46.5		46.5	1.7	44.8
LOWER MANNVILLE B	72.1	<0.01		0.1		0.1	0.1	
BANFF A	13.9	<0.01		0.1		0.1	0.1	
FIELD TOTAL	551.0			46.7		46.7	1.9	44.8
DRIFTPILE 073-11W5								
SLAVE POINT A	162.0	0.15		24.3		24.3	3.0	21.3
GILWOOD A	99.6	0.15		14.9		14.9	12.3	2.6
FIELD TOTAL	261.6			39.2		39.2	15.3	23.9
DRUMHELLER 029-19W4								
MANNVILLE A	291.0	0.05		14.6		14.6	10.0	4.6
MANNVILLE F	450.0	0.02		9.0		9.0	5.2	3.8
MANNVILLE I	2 300.0	0.05		115.0		115.0	82.0	33.0
MANNVILLE K	228.0	<0.01		0.2		0.2	0.2	
MANNVILLE L	265.0	<0.01		0.1		0.1	0.1	
MANNVILLE T	157.0	<0.05		7.8		7.8	2.7	5.1
MANNVILLE Y	265.0	<0.01		0.1		0.1	0.1	
MANNVILLE Z	177.0	0.10		17.7		17.7	7.1	10.6
MANNVILLE AA	143.0	<0.01		0.2		0.2	0.2	
MANNVILLE BB	267.0	<0.01		0.2		0.2	0.2	
MANNVILLE DD	1 246.0	0.03		37.4		37.4	24.2	13.2
MANNVILLE FF	305.0	<0.01		1.2		1.2	1.2	
MANNVILLE JJ	233.0	0.05		11.7		11.7	3.2	8.5
UPPER MANNVILLE A	524.0	0.20		105.0		105.0	87.6	17.4
UPPER MANNVILLE C	253.0	0.10		25.3		25.3	13.0	12.3
UPPER MANNVILLE D	36.9	<0.02		0.7		0.7	0.7	
UPPER MANNVILLE I	14.8	0.10		1.5		1.5	0.1	1.4
UPPER MANNVILLE K	110.0	<0.01		0.5		0.5	0.5	
LOWER MANNVILLE G	367.0	<0.01		0.3		0.3	0.3	
LOWER MANNVILLE H	380.0	0.05		19.0		19.0	5.3	13.7
LOWER MANNVILLE I	182.0	0.10		18.2		18.2	3.8	14.4
LOWER MANNVILLE J	155.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE M	237.0	0.05		11.9		11.9	5.9	6.0

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
64	3.00	0.120	0.45	0.91	28	831	50	16 434	-1 344.4	2 094.0	1983	86 02 - ABAND 90 10
64	4.50	0.200	0.35	0.90	29	834	60	20 882	-1 360.7	2 098.5	1983	92 12 - GPP
64	3.10	0.100	0.25	0.87	38	840	72	21 359	-1 338.4	2 097.4	1981	88 12 - ABAND 90 10
228	7.92	0.050	0.45	0.80	62	839	44	8 798	-325.7	1 641.7	1936	91 12 - GPP
64	1.50	0.180	0.50	0.85	25	866	39	9 399	-477.4	1 327.8	1982	89 12 - GPP
199	1.02	0.110	0.14	0.73	115	820	77	21 624	-1 366.3	2 039.0	1986	92 06 - GPP
64	6.80	0.084	0.35	0.77	108	820	78	21 989	-1 455.0	2 148.8	1980	83 12
64	4.50	0.073	0.45	0.71	120	821	65	21 560	-1 430.6	2 180.6	1980	92 12
589	1.45	0.110	0.30	0.76	92	832	72	14 960	-948.7	1 576.2	1986	92 10 - GPP
64	4.30	0.190	0.40	0.90	30	856	43	5 780	-246.3	1 014.4	1971	92 10
128	1.02	0.210	0.32	0.92	30	856	32	8 127	-415.0	1 184.5	1986	88 12 - GPP
64	6.50	0.180	0.27	0.85	59	852	37	8 754	-364.4	1 175.8	1986	87 11 - GPP
64	2.10	0.100	0.39	0.88	53	892	35	8 830	-399.2	1 239.9	1987	88 01 - ABAND 87 11
16	4.70	0.035	0.38	0.85	50	880	37	8 030	-425.9	1 249.4	1987	92 09 - ABAND 92 06
64	7.30	0.070	0.45	0.90	31	843	49	18 900	-1 340.7	1 924.5	1985	85 08 - GPP
64	2.30	0.150	0.45	0.82	66	854	49	20 966	-1 364.4	1 948.2	1985	85 08 - GPP
85	4.07	0.150	0.30	0.80	59	865	49	9 547	-526.3	1 359.3	1950	83 06 - GPP
71	3.96	0.252	0.28	0.88	44	855	47	10 469	-458.7	1 283.0	1960	85 07 - GPP
512	8.36	0.140	0.52	0.80	44	855	54	9 425	-475.0	1 294.5	1959	86 10 - GPP
64	4.60	0.140	0.35	0.85	62	849	54	10 185	-487.7	1 305.2	1968	79 11 - ABAND 82 05
65	4.27	0.200	0.40	0.80	71	855	56	12 096	-840.9	1 670.0	1969	70 08 - ABAND 71 10
65	1.83	0.200	0.23	0.86	50	887	46	10 351	-537.8	1 364.1	1975	77 04
64	7.00	0.100	0.35	0.91	28	887	54	7 175	-442.9	1 250.4	1978	79 02 - ABAND 79 01
128	1.30	0.220	0.43	0.85	60	858	46	10 235	-464.7	1 253.8	1978	84 06 - GPP
16	15.90	0.120	0.45	0.85	54	885	46	7 209	-494.6	1 321.4	1979	92 11 - ABAND 93 06
64	6.30	0.130	0.40	0.85	62	871	47	9 898	-498.2	1 324.3	1980	83 12 - ABAND 92 02
128	15.90	0.140	0.46	0.81	78	825	47	9 559	-471.8	1 165.4	1980	84 04 - GPP
64	4.50	0.210	0.37	0.80	78	877	41	9 354	-501.0	1 324.3	1980	87 12 - ABAND 89 11
64	10.80	0.090	0.56	0.85	59	860	47	9 304	-480.8	1 293.7	1988	89 12 - GPP
128	3.71	0.206	0.33	0.80	62	855	46	9 487	-500.1	1 273.2	1961	89 12
64	4.70	0.210	0.50	0.80	79	869	50	9 626	-515.5	1 314.0	1982	82 09 - GPP
64	1.00	0.160	0.55	0.80	87	869	40	9 295	-472.3	1 288.2	1979	93 01 - ABAND 92 09
64	2.30	0.070	0.82	0.80	60	885	46	9 920	-513.2	1 355.2	1985	88 03
64	2.40	0.180	0.53	0.85	80	850	40	9 902	-511.0	1 323.8	1987	92 10 - ABAND 92 10
64	8.00	0.110	0.26	0.88	43	887	43	9 850	-479.7	1 306.0	1984	86 03 - ABAND 90 07
126	4.76	0.150	0.52	0.88	43	879	43	9 588	-463.2	1 258.5	1981	89 10 - GPP
64	5.30	0.140	0.55	0.85	58	855	44	9 412	-448.1	1 256.0	1984	85 04 - GPP
64	6.41	0.110	0.57	0.80	80	879	44	8 461	-469.5	1 313.0	1982	89 12 - ABAND 91 11
32	10.00	0.140	0.40	0.88	52	850	43	8 523	-476.9	1 255.0	1980	92 08 - GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	103m3	frac	frac	103m3	103m3	103m3	103m3	103m3
DRUMHELLER 029-19W4 (CONTINUED)								
LOWER MANNVILLE D	155.0	0.10		15.5		15.5	6.4	9.1
LOWER MANNVILLE P	473.0	0.05		23.7		23.7	2.2	21.5
LOWER MANNVILLE S	118.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE U	341.0	0.05		17.1		17.1	0.3	16.8
BANFF B	71.4	<0.01		0.1		0.1	0.1	
BANFF C	130.0	<0.01		1.1		1.1	1.1	
D-2 A	3 000.0	0.65		1 950.0		1 950.0	1 790.5	159.5
D-2 B	5 750.0	0.50		2 875.0		2 875.0	2 423.0	452.0
D-2 C	172.0	0.15		25.8		25.8	13.9	11.9
FIELD TOTAL	18 797.1			5 306.1		5 306.1	4 491.3	814.8
DUHAMEL 045-21W4								
WABAMUN A	48.3	<0.08		3.5		3.5	3.5	
D-2 A	2 200.0	0.55		1 210.0		1 210.0	1 106.3	103.7
D-3 A	191.0	<0.10		18.3		18.3	18.3	
D-3 B WATER FLOOD	2 240.0	0.50	0.16	1 120.0	358.0	1 478.0	1 448.0	30.0
FIELD TOTAL	4 679.3			2 351.8	358.0	2 709.8	2 576.1	133.7
DUNVEGAN 079-02W6								
DEBOLT R	177.0	0.10		17.7		17.7	0.1	17.6
DEBOLT T	111.0	<0.03		3.1		3.1	3.1	
FIELD TOTAL	288.0			20.8		20.8	3.2	17.6
EAGLESHAM 077-25W5								
DEBOLT D	149.0	<0.08		11.3		11.3	11.3	
D-1 A	217.0	0.35		76.0		76.0	69.8	6.2
D-1 B	252.0	0.12		30.2		30.2	28.2	2.0
D-1 C	156.0	0.10		15.6		15.6	9.7	5.9
D-1 D	159.0	<0.02		2.1		2.1	2.1	
D-1 E	44.5	0.15		6.7		6.7	0.6	6.1
D-1 F	88.6	0.20		17.7		17.7	0.6	17.1
D-1 G	32.4	0.10		3.2		3.2	0.2	3.0
D-1 H	247.0	<0.01		1.1		1.1	1.1	
D-3 A	734.0	0.40		294.0		294.0	284.2	9.8
FIELD TOTAL	2 079.5			457.9		457.9	407.8	50.1
EAGLESHAM NORTH 078-25W5								
D-1 A	127.0	<0.19		23.1		23.1	23.1	
D-1 B	225.0	<0.05		11.1		11.1	11.1	
D-1 C	488.0	0.25		122.0		122.0	43.7	78.3
D-1 D	84.1	<0.09		7.0		7.0	7.0	
D-1 E	503.0	0.20		100.0		100.0	43.9	56.1
D-1 F	597.0	0.20		119.0		119.0	40.0	79.0
D-1 G	595.0	0.25		149.0		149.0	58.4	90.6
D-1 H	369.0	0.10		36.9		36.9	21.2	15.7
D-1 I	320.0	0.08		25.6		25.6	18.1	7.5
D-1 J	118.0	<0.18		20.4		20.4	20.4	
D-1 K	275.0	0.10		27.5		27.5	16.0	11.5
D-1 L	654.0	0.10		65.4		65.4	15.0	50.4
D-1 M	683.0	0.35		239.0		239.0	64.6	174.4
D-1 N	198.0	0.15		29.7		29.7	20.2	9.5
D-1 O	283.0	0.10		28.3		28.3	11.5	16.8
D-1 P	181.0	<0.05		7.3		7.3	7.3	
D-1 Q	210.0	<0.03		4.7		4.7	4.7	
D-1 R	86.3	0.20		17.3		17.3	3.6	13.7
D-1 S	102.0	0.35		35.7		35.7	12.8	22.9
D-1 T	115.0	0.30		34.5		34.5	6.2	28.3
D-1 U	181.0	0.10		18.1		18.1	0.2	17.9
D-1 V	39.4	0.20		7.9		7.9	5.8	2.1
D-1 W	71.4	0.10		7.1		7.1	4.2	2.9
D-1 X	136.0	<0.04		5.4		5.4	5.4	
FIELD TOTAL	6 641.2			1 142.0		1 142.0	464.4	677.6
EARRING 083-08W6 CHARLIE LAKE A	272.0	<0.01		0.2		0.2	0.2	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
64	3.10	0.160	0.39	0.80	86	887	45	8 198	-484.1	1 256.5	1988	89 02 - GPP
64	12.90	0.140	0.53	0.87	42	888	70	9 466	-441.2	1 255.4	1988	89 08
32	3.20	0.210	0.37	0.87	48	878	46	9 696	-475.7	1 263.7	1989	91 07 - ABAND 90 07
64	3.50	0.260	0.35	0.90	37	821	50	9 349	-440.3	1 257.2	1989	91 03
64	2.80	0.070	0.33	0.85	50	876	50	8 993	-492.7	1 321.4	1979	83 12 - ABAND 80 08
64	2.20	0.150	0.30	0.88	50	877	43	9 739	-497.7	1 270.1	1988	92 10
677	7.66	0.083	0.17	0.84	66	860	55	13 285	-830.9	1 650.4	1951	93 04 - GPP
226	9.29	0.076	0.18	0.81	70	855	54	13 301	-845.2	1 617.4	1961	84 12 - GPP
64	5.00	0.080	0.20	0.84	66	858	55	13 028	-838.2	1 625.5	1981	83 12 - GPP
65	1.22	0.100	0.30	0.87	44	844	71	9 048	-626.4	1 374.7	1952	67 02 - GPP
539	10.73	0.058	0.20	0.82	68	844	54	10 536	-624.2	1 375.6	1950	91 12 - GPP
272	4.48	0.028	0.30	0.80	79	844	57	13 119	-719.9	1 472.1	1956	64 04 - ABAND 69 12
212	20.52	0.073	0.14	0.82	79	844	56	13 083	-709.2	1 459.5	1950	93 12 - GPP
64	2.82	0.195	0.28	0.70	131	856	45	10 140	-921.4	1 498.8	1988	89 03
64	2.00	0.180	0.40	0.80	72	857	61	9 408	-829.3	1 458.9	1983	90 12 - ABAND 90 03
64	8.31	0.050	0.20	0.70	149	829	51	10 450	-957.7	1 521.6	1960	83 12 - GPP
64	23.00	0.040	0.45	0.67	167	826	64	22 070	-1 476.0	2 047.3	1980	90 12 - GPP
32	19.60	0.080	0.25	0.67	163	835	64	21 834	-1 479.6	2 047.5	1981	90 12 - GPP
16	42.30	0.040	0.14	0.67	163	840	64	21 902	-1 489.2	2 065.1	1985	89 12 - GPP
16	84.00	0.019	0.17	0.75	163	849	64	22 373	-1 516.7	2 092.0	1985	90 12 - ABAND 88 05
16	19.80	0.030	0.30	0.67	163	832	64	22 253	-1 516.8	2 089.5	1988	90 12 - GPP
16	31.20	0.030	0.27	0.81	57	852	69	22 177	-1 520.7	2 093.2	1988	90 02 - GPP
32	6.21	0.030	0.19	0.67	163	832	64	21 400	-1 494.0	2 086.5	1989	89 12 - GPP
16	48.63	0.060	0.21	0.67	163	832	64	22 272	-1 502.2	2 089.0	1989	92 06 - ABAND 92 01
191	10.33	0.062	0.13	0.69	154	820	74	25 176	-1 740.6	2 306.9	1959	78 12 - GPP
32	14.10	0.053	0.32	0.78	111	841	60	20 595	-1 382.1	1 953.1	1987	92 07 - ABAND 92 04
32	24.30	0.051	0.30	0.81	77	833	60	21 387	-1 437.6	1 996.8	1988	92 08 - ABAND 92 04
32	54.00	0.042	0.19	0.83	62	833	61	19 978	-1 334.0	1 899.6	1988	90 12 - GPP
32	8.00	0.060	0.34	0.83	61	849	61	20 377	-1 412.2	1 970.5	1989	90 12 - ABAND 91 05
16	107.40	0.043	0.18	0.83	62	848	61	20 471	-1 347.0	1 911.1	1989	90 12 - GPP
16	77.40	0.070	0.17	0.83	62	849	61	20 296	-1 347.0	1 914.6	1989	90 12
16	93.30	0.060	0.20	0.83	62	849	61	20 733	-1 394.1	1 959.3	1989	90 12
16	48.00	0.080	0.25	0.80	76	844	60	20 433	-1 387.2	1 953.0	1989	93 12 - GPP
16	58.80	0.050	0.18	0.83	111	849	60	19 910	-1 324.7	1 890.0	1989	93 12
32	20.00	0.030	0.26	0.83	111	849	60	19 765	-1 336.2	1 898.6	1989	93 06 - ABAND 93 02
16	38.40	0.070	0.23	0.83	62	849	61	20 913	-1 416.4	1 989.0	1989	91 12 - GPP
32	56.62	0.050	0.13	0.83	62	849	61	20 311	-1 397.2	1 964.2	1989	90 11
32	61.20	0.050	0.16	0.83	62	849	61	20 148	-1 411.1	1 983.0	1989	90 12
16	72.80	0.027	0.24	0.83	62	849	61	20 468	-1 396.6	1 967.0	1989	93 12 - GPP
16	99.00	0.029	0.22	0.79	99	852	57	21 432	-1 443.0	2 010.4	1989	91 12 - GPP
16	77.40	0.026	0.29	0.79	99	852	57	20 477	-1 425.7	1 990.5	1989	92 04 - ABAND 92 01
16	38.10	0.056	0.26	0.83	62	849	61	20 543	-1 416.0	1 984.5	1990	92 09 - ABAND 92 01
16	15.60	0.057	0.27	0.83	62	849	61	19 386	-1 341.9	1 907.8	1990	91 02 - GPP
64	8.10	0.030	0.21	0.83	62	849	61	19 846	-1 313.5	1 878.8	1990	90 08 - GPP
32	18.30	0.030	0.21	0.83	62	849	61	19 639	-1 321.7	1 887.2	1990	91 08
32	97.40	0.010	0.30	0.83	62	849	61	19 645	-1 332.5	1 897.7	1990	91 09
32	4.50	0.050	0.34	0.83	62	849	61	18 163	-1 374.1	1 937.5	1990	91 01 - GPP
16	12.80	0.050	0.16	0.83	62	849	61	19 874	-1 315.0	1 880.4	1991	93 01 - GPP
32	13.50	0.050	0.24	0.83	62	849	61		-1 361.7	1 928.8	1992	93 04 - ABAND 93 01
64	6.50	0.110	0.30	0.85	60	917	48	10 538	-468.1	1 145.4	1987	88 04 - ABAND 89 11

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE 10 ³ m ³	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 10 ³ m ³	REMAINING ESTABLISHED RESERVES 10 ³ m ³
		PRIMARY frac	ENHANCED frac	PRIMARY 10 ³ m ³	ENHANCED 10 ³ m ³	TOTAL 10 ³ m ³		
EARRING 083-08W6 (CONTINUED) CHARLIE LAKE B	364.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL	636.0			0.3		0.3	0.3	
EDSON 052-17W5								
CARDIUM A	84.9	0.15		12.7		12.7	9.3	3.4
CARDIUM B TOTAL	3 583.0			364.0	99.3	463.0	434.2	28.8
PRIMARY AREA	273.0	0.12		32.8		32.8		
WATER FLOOD AREA	3 310.0	0.10	0.03	331.0	99.3	430.0		
CARDIUM C	2 640.0	0.05		132.0		132.0	97.6	34.4
CARDIUM E	236.0	0.08		18.9		18.9	6.0	12.9
CARDIUM J	500.0	0.10		50.0		50.0	38.7	11.3
CARDIUM T	150.0	0.10		15.0		15.0	7.3	7.7
CARDIUM U	80.9	0.12		9.7		9.7	9.2	0.5
CARDIUM EE	55.9	0.10		5.6		5.6	5.0	0.6
CARDIUM II	99.1	0.10		9.9		9.9	4.1	5.8
CARDIUM JJ	250.0	0.10		25.0		25.0	14.5	10.5
CARDIUM KK	105.0	0.17		17.9		17.9	14.4	3.5
CARDIUM SS	109.0	0.10		10.9		10.9	1.2	9.7
CARDIUM TT	45.1	0.20		9.0		9.0	3.3	5.7
CARDIUM UU	26.6	0.12		3.2		3.2	2.6	0.6
CARDIUM VV	66.8	0.12		8.0		8.0	7.0	1.0
CARDIUM XX	62.1	<0.02		1.0		1.0	1.0	
CARDIUM CC & WW	237.0	0.10		23.7		23.7	14.0	9.7
CARDIUM RR & ZZ	1 250.0	0.10		125.0		125.0	101.5	23.5
CARDIUM CCC	168.0	<0.01		0.2		0.2	0.2	
CARDIUM DDD	49.0	0.10		4.9		4.9	2.2	2.7
CARDIUM EEE	148.0	0.05		7.4		7.4	0.7	6.7
CARDIUM JJJ	161.0	<0.03		4.5		4.5	4.5	
CARDIUM & BLUESKY MU #1	8 264.0	0.05		413.0		413.0	327.5	85.5
SECOND WHITE	349.0	0.10		34.9		34.9	19.4	15.5
SPECKS A								
SECOND WHITE	244.0	0.10		24.4		24.4	3.8	20.6
SPECKS B								
SECOND WHITE	315.0	0.20		63.0		63.0	29.6	33.4
SPECKS C								
CADOMIN A	108.0	<0.01		0.5		0.5	0.5	
ROCK CREEK B	138.0	0.10		13.8		13.8	0.8	13.0
FIELD TOTAL	19 525.4			1 408.1	99.3	1 507.1	1 160.1	347.0
ELLERSLIE 051-24W4								
BLAIRMORE A	79.3	<0.11		8.1		8.1	8.1	
BLAIRMORE B	186.0	<0.32		59.2		59.2	59.2	
FIELD TOTAL	265.3			67.3		67.3	67.3	
ELMWORTH 070-11W6								
DOE CREEK B	1 635.0	0.10		164.0		164.0	100.6	63.4
DOE CREEK C	55.5	<0.02		0.9		0.9	0.9	
DUNVEGAN B	226.0	0.05		11.3		11.3	3.4	7.9
CADOTTE H	253.0	<0.01		0.6		0.6	0.6	
CHARLIE LAKE A	2 780.0	0.15		417.0		417.0	277.1	139.9
CHARLIE LAKE B	114.0	0.10		11.4		11.4	2.4	9.0
FIELD TOTAL	5 063.5			605.2		605.2	385.0	220.2
ELNDRA 035-23W4								
UPPER MANNVILLE E	200.0	0.10		20.0		20.0	15.0	5.0
UPPER MANNVILLE L	300.0	0.20		60.0		60.0	35.0	25.0
UPPER MANNVILLE N	47.8	0.05		2.4		2.4	1.9	0.5
LOWER MANNVILLE B	71.3	<0.02		1.0		1.0	1.0	
LOWER MANNVILLE D	107.0	0.10		10.7		10.7	0.4	10.3
FIELD TOTAL	726.1			94.1		94.1	53.3	40.8
ENCHANT 012-16W4								
DETRITAL- LIVINGSTONE A	500.0	0.20		100.0		100.0	53.8	46.2
LIVINGSTONE B	227.0	0.10		22.7		22.7	3.5	19.2

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
64	8.60	0.140	0.41	0.80	84	880	43	10 721	-496.0	1 163.0	1988	88 07 - ABAND 89 11
65	1.52	0.130	0.13	0.76	104	825	61	21 823	-889.6	1 787.2	1963	91 04 - GPP
2 397					104	825	61	22 520	-926.5	1 844.8	1963	90 12 - GPP
128	3.35	0.101	0.17	0.76								
2 269	2.29	0.101	0.17	0.76								
2 495	2.40	0.090	0.21	0.62	230	815	64	22 746	-935.8	1 885.6	1972	83 07 - GPP
192	1.79	0.110	0.18	0.76	103	825	60	20 065	-917.8	1 921.5	1974	84 09
516	1.50	0.100	0.15	0.76	180	802	55	20 859	-966.4	1 900.5	1978	81 12 - GPP
97	2.00	0.150	0.15	0.61	200	800	53	21 003	-949.8	1 909.7	1981	82 12
64	2.00	0.120	0.15	0.62	185	800	63	19 459	-985.0	1 899.5	1981	86 12
64	2.40	0.069	0.15	0.62	190	813	69	21 878	-1 039.2	2 002.1	1982	82 11
64	2.70	0.090	0.15	0.75	104	825	63	19 475	-946.1	1 905.9	1981	83 12 - GPP
221	2.00	0.095	0.15	0.70	104	800	64	22 837	-1 018.9	1 940.2	1980	83 12 - GPP
64	1.90	0.150	0.07	0.62	195	800	65	16 393	-983.6	1 900.4	1982	87 12 - GPP
64	3.00	0.110	0.18	0.63	189	819	64	19 994	-911.3	1 918.8	1983	83 10 - GPP
64	0.85	0.150	0.15	0.65	186	824	65	21 553	-1 005.5	1 917.2	1983	87 12 - GPP
64	0.79	0.100	0.15	0.62	186	824	65	21 213	-1 038.6	1 981.6	1981	89 12 - GPP
88	1.20	0.120	0.15	0.62	189	815	64	17 875	-950.5	1 934.4	1963	87 12 - GPP
64	1.30	0.130	0.18	0.70	153	821	64	18 464	-910.2	1 865.4	1984	91 10 - ABAND 89 09
512	0.88	0.100	0.26	0.71	122	809	63	21 661	-917.2	1 933.1	1974	84 10
1 800	1.42	0.100	0.27	0.67	189	817	64	24 177	-939.2	1 891.8	1977	91 12
64	3.00	0.160	0.24	0.72	142	829	67	23 059	-825.9	1 749.3	1982	88 12
64	2.00	0.060	0.15	0.75	104	826	63	22 597	-1 071.5	2 123.3	1983	83 08
64	3.00	0.122	0.28	0.88	204	825	64	21 732	-978.1	1 934.9	1972	89 05
64	3.05	0.120	0.14	0.80	105	802	62		-955.3	1 932.2	1962	93 07 - ABAND 78 02
3 640	4.57	0.100	0.28	0.69	220	813	83	23 320	-1 054.8	2 039.2	1962	90 08 - GPP
64	4.60	0.220	0.24	0.71	120	800	65	25 383	-1 180.8	2 101.3	1981	83 02 - GPP
64	12.10	0.050	0.10	0.70	130	825	72	23 915	-1 122.2	2 042.0	1987	92 04 - GPP
128	2.85	0.120	0.10	0.80	165	812	80	24 404	-1 311.7	2 246.3	1991	92 12 - GPP
64	2.00	0.150	0.20	0.70	140	800	97	26 666	-1 689.7	2 708.0	1981	82 04
32	8.72	0.090	0.27	0.75	140	840	86	19 098	-1 436.6	2 382.7	1992	93 02
83	0.91	0.200	0.30	0.75	46	876	47	8 916	-509.5	1 191.9	1950	71 05 - ABAND 70 07
135	1.43	0.173	0.36	0.87	46	876	47	8 932	-506.4	1 184.9	1951	74 04 - ABAND 74 03
809	1.70	0.193	0.30	0.88	80	833	40	10 131	-463.9	1 130.9	1985	89 01
64	1.10	0.160	0.44	0.88	55	835	36	9 892	-471.0	1 139.4	1985	92 10
64	4.18	0.160	0.34	0.80	88	816	50	7 440	-616.3	1 309.6	1988	91 10 - GPP
64	9.00	0.100	0.43	0.77	100	831	63	14 657	-1 018.4	1 715.7	1986	88 12
768	5.90	0.100	0.16	0.73	114	820	85	31 650	-1 701.5	2 402.3	1979	84 11
64	3.40	0.110	0.32	0.70	83	803	60	21 844	-1 575.1	2 255.8	1979	83 12 - GPP
53	4.40	0.150	0.32	0.84	54	875	52	8 430	-593.7	1 499.7	1987	89 12 - GPP
64	4.12	0.160	0.10	0.79	78	878	59	8 211	-703.8	1 622.5	1988	89 12
16	3.50	0.150	0.28	0.79	78	877	59		-585.3	1 512.2	1992	93 03 - GPP
64	1.50	0.115	0.24	0.85	52	892	64	9 843	-746.9	1 643.3	1986	92 10 - ABAND 92 10
64	2.00	0.140	0.30	0.85	64	846	48	10 130	-728.2	1 598.5	1988	89 05
189	3.64	0.140	0.35	0.80	88	855	29	11 186	-212.3	982.8	1987	93 04
64	5.20	0.135	0.42	0.87	52	862	35	11 230	-233.6	1 041.6	1987	88 07 - GPP

TABLE 2-6

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
ENCHANT 012-16W4 (CONTINUED)								
LIVINGSTONE C	229.0	0.08		18.3		18.3	10.9	7.4
LIVINGSTONE D	97.7	0.10		9.8		9.8	0.3	9.5
ARCS A	500.0	0.35		175.0		175.0	92.0	83.0
ARCS B	289.0	0.15		43.4		43.4	9.9	33.5
ARCS C	177.0	0.05		8.9		8.9	4.7	4.2
ARCS D	168.0	0.10		16.8		16.8	13.0	3.8
ARCS E	200.0	0.12		24.0		24.0	15.8	8.2
ARCS I	779.0	0.05		39.0		39.0	15.3	23.7
ARCS S	92.2	0.15		13.8		13.8	7.7	6.1
ARCS T	303.0	0.05		15.2		15.2	5.9	9.3
ARCS DD	189.0	0.02		3.8		3.8	0.1	3.7
ARCS KK	271.0	0.05		13.6		13.6	4.0	9.6
ARCS LL	455.0	0.08		36.4		36.4	5.7	30.7
ARCS OO	398.0	0.20		79.6		79.6	10.9	68.7
ARCS PP	887.0	0.10		88.7		88.7	12.5	76.2
ARCS ZZ	38.4	0.15		5.8		5.8	1.8	4.0
ARCS F & G	3 623.0	<0.16		545.0		545.0	205.4	339.6
ARCS P & R	695.0	0.15		104.0		104.0	31.8	72.2
ARCS W & X	621.0	0.10		62.1		62.1	6.4	55.7
ARCS K & V	610.0	0.15		91.5		91.5	38.8	52.7
ARCS M & AA	510.0	0.15		76.5		76.5	23.3	53.2
ARCS L & BB	303.0	0.15		45.5		45.5	10.1	35.4
ARCS Y & Z	1 523.0	0.15		228.0		228.0	48.8	179.2
ARCS CC & EE	1 698.0	0.10		170.0		170.0	49.1	120.9
ARCS II & JJ	322.0	0.08		25.8		25.8	8.4	17.4
ARCS FF & GG	563.0	0.20		113.0		113.0	21.6	91.4
ARCS MM & NN	596.0	0.20	0.10	119.0	59.6	179.0	34.4	144.6
WATER FLOOD								
ARCS N & O	207.0	0.15		31.0		31.0	16.6	14.4
ARCS RR & SS	200.0	0.15		30.0		30.0	4.0	26.0
ARCS TT & UU	317.0	0.15		47.6		47.6	8.6	39.0
ARCS J & VV	3 970.0	0.15		596.0		596.0	57.8	538.2
ARCS AAA	2 512.0	0.15		377.0		377.0	25.5	351.5
FIELD TOTAL *	24 070.3			3 376.8	59.6	3 436.8	858.4	2 578.4
ENSIGN 016-26W4								
RUNDLE A	150.0	<0.02		2.9		2.9	2.9	
FIELD TOTAL	150.0			2.9		2.9	2.9	
ENTICE 027-24W4								
LOWER MANNVILLE A	331.0	<0.02		4.0		4.0	4.0	
PEKISKO A	260.0	0.03		7.8		7.8	4.8	3.0
FIELD TOTAL	591.0			11.8		11.8	8.8	3.0
EQUISETUM 088-06W5								
KEG RIVER A	39.8	<0.02		0.7		0.7	0.7	
KEG RIVER B	58.9	<0.01		0.5		0.5	0.5	
KEG RIVER C	152.0	0.20		30.4		30.4	3.3	27.1
FIELD TOTAL	250.7			31.6		31.6	4.5	27.1
ERSKINE 039-20W4								
BLAIRMORE F	192.0	<0.01		1.7		1.7	1.7	
BLAIRMORE G	193.0	0.10		19.3		19.3	2.6	16.7
BLAIRMORE J	465.0	0.10		46.5		46.5	26.8	19.7
BLAIRMORE P	150.0	<0.01		0.4		0.4	0.4	
BLAIRMORE W	206.0	<0.01		0.3		0.3	0.3	
BLAIRMORE X	89.6	0.10		9.0		9.0	5.3	3.7
GLAUCONITIC E	178.0	<0.01		0.1		0.1		0.1
GLAUCONITIC F	201.0	0.10		20.1		20.1	2.9	17.2
GLAUCONITIC I	149.0	0.05		7.5		7.5	1.0	6.5
D-2	459.0	0.10		45.9		45.9	42.9	3.0
D-2 B	59.3	0.05		3.0		3.0	0.7	2.3
D-2 C	41.6	<0.02		0.8		0.8	0.8	
D-3	6 927.0	0.60		4 156.0		4 156.0	3 862.0	294.0
FIELD TOTAL	9 310.5			4 310.6		4 310.6	3 947.4	363.2

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
108	5.41	0.063	0.26	0.84	70	905	37	11 533	-261.0	1 020.3	1988	93 01 - GPP
32	6.50	0.090	0.42	0.90	41	912	39	10 754	-220.8	1 002.0	1989	89 08
143	3.76	0.140	0.20	0.83	50	887	35	12 282	-549.0	1 328.6	1985	93 02
134	2.92	0.110	0.19	0.83	87	854	36	11 173	-567.7	1 347.1	1986	93 02
32	5.00	0.180	0.30	0.88	47	854	36	12 700	-546.5	1 331.5	1986	90 12 - GPP
32	8.30	0.080	0.10	0.88	47	854	36	13 588	-566.5	1 347.2	1986	90 12 - GPP
64	3.50	0.126	0.14	0.83	75	880	36	12 596	-555.7	1 331.8	1987	93 12 - GPP
64	14.35	0.130	0.25	0.87	52	900	35	12 461	-563.5	1 348.1	1987	93 04
32	4.00	0.140	0.38	0.83	80	890	39	12 299	-554.6	1 337.5	1988	93 12 - GPP
64	5.21	0.120	0.15	0.89	83	883	35	12 314	-604.8	1 365.0	1988	92 10 - GPP
32	6.00	0.160	0.25	0.82	83	868	35	13 748	-573.7	1 348.6	1986	90 04 - GPP
64	5.40	0.110	0.20	0.89	49	883	35	14 482	-567.4	1 346.6	1990	90 10 - GPP
64	7.95	0.150	0.33	0.89	62	883	35	12 833	-590.2	1 376.5	1989	93 03 - GPP
64	6.00	0.160	0.18	0.79	109	898	34	12 653	-553.6	1 342.5	1986	91 10
402	3.02	0.120	0.30	0.87	73	862	35	12 301	-570.5	1 357.3	1989	93 03
16	4.50	0.130	0.50	0.82	83	867	35	11 669	-568.4	1 354.6	1992	93 02
256	15.60	0.140	0.20	0.81	52	898	35	12 235	-599.4	1 359.4	1987	92 01
140	7.31	0.110	0.29	0.87	92	862	35	12 102	-582.6	1 366.1	1988	93 03
128	6.42	0.110	0.21	0.87	83	862	35	12 272	-567.7	1 347.9	1989	91 01
113	5.83	0.130	0.20	0.89	49	849	35	11 573	-568.5	1 363.5	1987	90 03
92	6.72	0.120	0.21	0.87	52	862	35	11 922	-568.3	1 363.7	1988	90 03
128	4.20	0.080	0.21	0.89	49	870	35	12 435	-579.3	1 360.8	1987	90 05 - GPP
128	15.00	0.120	0.24	0.87	70	883	35	12 345	-592.4	1 360.1	1989	92 10
96	18.64	0.130	0.18	0.89	49	883	35	13 345	-553.5	1 335.7	1989	91 12
50	10.28	0.100	0.28	0.87	83	862	35	12 451	-572.4	1 349.6	1986	91 12 - GPP
110	6.28	0.130	0.28	0.87	83	862	35	12 090	-577.2	1 353.9	1989	92 05
64	9.57	0.140	0.21	0.88	83	898	35	11 879	-583.1	1 320.9	1990	93 08 - GPP
64	4.86	0.110	0.32	0.89	49	883	35	12 250	-617.6	1 384.0	1988	92 02 - GPP
32	7.94	0.130	0.32	0.89	83	898	35	14 144	-570.3	1 349.9	1991	92 02 - GPP
129	4.68	0.104	0.42	0.87	83	843	35	11 750	-591.0	1 375.5	1988	92 04
928	5.96	0.125	0.34	0.87	74	897	35	12 328	-596.3	1 392.3	1987	93 01
563	6.85	0.120	0.39	0.89	51	883	35	12 533	-602.2	1 374.8	1992	93 11
64	5.55	0.070	0.15	0.71	124	870	49	18 526	-985.1	2 039.1	1976	90 12
64	3.00	0.260	0.21	0.84	67	884	44	10 941	-681.8	1 575.8	1975	93 03 - ABAND 92 11
64	10.00	0.090	0.45	0.82	52	887	53	11 792	-778.6	1 689.2	1980	83 12 - GPP
64	2.33	0.060	0.50	0.89	40	830	46	14 828	-784.1	1 517.3	1987	92 10
64	2.50	0.056	0.27	0.90	32	824	39	14 550	-790.4	1 482.7	1987	88 06 - ABAND 91 05
64	5.20	0.080	0.33	0.85	40	830	43	14 595	-794.0	1 510.3	1988	88 11
64	3.10	0.190	0.42	0.88	48	899	50	9 993	-569.1	1 385.1	1978	79 05 - ABAND 83 09
64	2.20	0.200	0.22	0.88	121	875	52	10 261	-513.8	1 340.4	1980	85 05 - GPP
192	2.29	0.190	0.36	0.87	47	880	46	10 088	-516.6	1 340.1	1982	84 06
64	2.80	0.190	0.50	0.88	48	875	37	8 084	-554.5	1 370.0	1953	88 12 - ABAND 92 10
64	3.30	0.190	0.39	0.84	64	900	54	9 977	-522.3	1 348.1	1985	87 12
64	1.80	0.150	0.39	0.85	57	873	50	10 396	-502.0	1 323.1	1981	82 09 - GPP
64	2.40	0.200	0.30	0.83	68	877	44	9 890	-503.0	1 329.9	1973	83 04 - ABAND 85 04
64	2.70	0.200	0.30	0.83	75	870	50	9 835	-488.8	1 318.0	1981	81 07
64	2.40	0.180	0.35	0.83	68	877	44	9 561	-507.2	1 334.7	1973	84 05
58	17.37	0.067	0.15	0.80	76	887	60	12 053	-754.0	1 577.6	1955	73 12 - GPP
16	9.50	0.065	0.25	0.80	77	899	61	10 512	-750.2	1 573.3	1980	92 11 - GPP
32	3.19	0.060	0.15	0.80	54	887	60	11 414	-755.4	1 576.2	1954	89 12 - ABAND 89 06
1 864	8.60	0.062	0.15	0.82	84	887	61	15 417	-821.0	1 642.2	1952	92 12 - GPP

TABLE 2-6

FIELD POOL	1	3		5			6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL			
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	
ESTHER 032-02W4									
VIKING A	110.0	0.02		2.2		2.2	1.8	0.4	
VIKING B & C	842.0	0.10		84.2		84.2	54.9	29.3	
FIELD TOTAL *	952.0			86.4		86.4	56.7	29.7	
ESTUARY 023-22W4									
BASAL QUARTZ A	200.0	<0.01		0.1		0.1	0.1		
FIELD TOTAL	200.0			0.1		0.1	0.1		
ETHEL 067-08W5									
BEAVERHILL LAKE A	993.0	0.02		19.9		19.9	13.2	6.7	
FIELD TOTAL	993.0			19.9		19.9	13.2	6.7	
EVI 087-13W5									
SLAVE POINT A	880.0	0.15		132.0		132.0	101.4	30.6	
SLAVE POINT B	1 207.0	0.12		145.0		145.0	117.4	27.6	
SLAVE POINT C	280.0	<0.04		10.6		10.6	10.6		
SLAVE POINT D	216.0	0.10		21.6		21.6	15.7	5.9	
SLAVE POINT E	66.4	0.10		6.6		6.6	1.4	5.2	
SLAVE POINT F	59.1	0.10		5.9		5.9	3.7	2.2	
SLAVE POINT H	1 050.0	0.08		84.0		84.0	59.9	24.1	
SLAVE POINT I	153.0	<0.05		7.0		7.0	7.0		
SLAVE POINT K	1 410.0	0.05		70.5		70.5	35.6	34.9	
SLAVE POINT L	185.0	0.08		14.8		14.8	13.0	1.8	
SLAVE POINT M	62.9	0.30		18.9		18.9	5.1	13.8	
SLAVE POINT N	398.0	0.10		39.8		39.8	26.8	13.0	
SLAVE POINT O	72.6	0.10		7.3		7.3	0.5	6.8	
SLAVE POINT P	216.0	<0.01		0.2		0.2	0.2		
SLAVE POINT Q	188.0	0.15		28.2		28.2	3.3	24.9	
SLAVE POINT R	289.0	<0.01		2.0		2.0	2.0		
SLAVE POINT S	184.0	0.15		27.6		27.6	20.2	7.4	
SLAVE POINT T	134.0	0.25		33.5		33.5	5.1	28.4	
GILWOOD A	1 015.0	0.25		254.0		254.0	193.7	60.3	
GILWOOD B	202.0	0.30		60.6		60.6	50.9	9.7	
GILWOOD D	191.0	0.20		38.2		38.2	34.9	3.3	
GILWOOD H	181.0	0.15		27.2		27.2	9.5	17.7	
GILWOOD I	710.0	0.25		178.0		178.0	99.0	79.0	
GILWOOD J	238.0	0.25		59.5		59.5	52.7	6.8	
GILWOOD K	292.0	0.10		29.2		29.2	9.7	19.5	
GILWOOD L	247.0	0.30		74.1		74.1	60.2	13.9	
GILWOOD O	243.0	0.28		68.0		68.0	52.8	15.2	
GILWOOD P	132.0	0.20		26.4		26.4	8.1	18.3	
GILWOOD R	131.0	0.25		32.8		32.8	25.2	7.6	
GILWOOD S	13.0	<0.15		1.9		1.9	1.9		
GILWOOD T	42.4	<0.07		2.6		2.6	2.6		
GILWOOD W	152.0	0.25		38.0		38.0	27.7	10.3	
GILWOOD Y	71.9	0.25		18.0		18.0	9.6	8.4	
GILWOOD Z	35.1	0.20		7.0		7.0	1.1	5.9	
GILWOOD BB	22.0	0.25		5.5		5.5	4.8	0.7	
GILWOOD CC	91.2	<0.08		6.5		6.5	6.5		
GILWOOD V &	102.0	<0.11		10.4		10.4	10.4		
GRANITE WASH K									
GILWOOD G &	200.0	0.25		50.0		50.0	42.5	7.5	
GRANITE WASH H									
GILWOOD X &	366.0	0.25		91.5		91.5	33.7	57.8	
GRANITE WASH R									
KEG RIVER A &	5 330.0	0.35		1 866.0		1 866.0	1 251.1	614.9	
GRANITE WASH N									
KEG RIVER B &	5 308.0	0.25		1 327.0		1 327.0	849.2	477.8	
GRANITE WASH P									
GRANITE WASH G	100.0	0.20		20.0		20.0	12.0	8.0	
GRANITE WASH I	75.6	0.15		11.3		11.3	8.4	2.9	
GRANITE WASH L	207.0	0.25		51.8		51.8	38.0	13.8	
GRANITE WASH M	35.0	<0.14		4.8		4.8	4.8		
GRANITE WASH S	104.0	0.15		15.6		15.6	4.4	11.2	
GRANITE WASH T	126.0	0.15		18.9		18.9	2.4	16.5	
GRANITE WASH U	58.3	0.20		11.7		11.7	1.7	10.0	
GRANITE WASH V	130.0	0.20		26.0		26.0	8.8	17.2	
FIELD TOTAL	23 202.5			5 088.0		5 088.0	3 347.2	1 740.8	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
64 444	1.67 1.68	0.220 0.220	0.48 0.43	0.90 0.90	38 44	871 849	29 27	6 827 6 674	-10.8 -8.9	710.6 713.2	1969 1974	90 12 - GPP 86 03 - GPP
64	4.50	0.150	0.45	0.84	68	877	46	10 660	-600.7	1 517.3	1980	83 12 - ABAND 82 08
400	7.19	0.057	0.17	0.73	99	815	67	21 634	-1 360.7	2 296.4	1964	92 12 - GPP
384 705	5.64 3.86	0.062 0.065	0.28 0.25	0.91 0.91	171 30	833 833	38 38	16 459 16 372	-950.2 -943.0	1 575.8 1 554.7	1979 1979	91 12 - GPP 93 12 - GPP
64	5.00	0.120	0.20	0.91	33	833	38	15 905	-927.3	1 576.5	1981	85 12 - ABAND 87 03
64	6.50	0.090	0.27	0.79	94	861	49	15 716	-923.5	1 584.3	1982	86 12 - GPP
64	3.00	0.060	0.27	0.79	94	833	49	15 740	-917.8	1 528.3	1982	85 12 - GPP
32	4.00	0.080	0.27	0.79	94	833	49	16 019	-924.0	1 543.0	1982	92 10 - GPP
192	9.70	0.080	0.19	0.87	40	842	36	16 539	-967.3	1 553.3	1982	91 12 - GPP
64	6.00	0.060	0.27	0.91	32	833	38	16 888	-960.3	1 545.0	1982	83 03 - ABAND 89 06
448	8.58	0.063	0.36	0.91	34	828	47	15 658	-895.3	1 507.5	1980	87 12 - GPP
64	13.60	0.039	0.40	0.91	42	827	66	15 609	-905.6	1 512.1	1981	91 03 - GPP
64	5.40	0.040	0.50	0.91	33	835	38	15 404	-890.6	1 508.0	1983	84 01 - GPP
141	6.82	0.078	0.41	0.90	33	794	40	15 092	-890.3	1 489.3	1983	89 12 - GPP
32	7.50	0.056	0.40	0.90	33	832	40	15 211	-876.2	1 472.8	1984	91 02 - GPP
64	6.80	0.080	0.31	0.90	33	840	40	15 189	-885.7	1 471.2	1986	89 12 - ABAND 91 03
64	3.80	0.100	0.15	0.91	32	838	37	16 118	-958.4	1 545.9	1984	87 04 - GPP
64	6.00	0.120	0.31	0.91	35	841	37	16 422	-978.8	1 553.0	1983	88 12 - ABAND 91 11
32	8.50	0.100	0.23	0.88	44	840	39	16 114	-960.5	1 542.8	1984	90 12 - GPP
64	4.30	0.080	0.31	0.88	109	827	62	14 448	-903.9	1 528.1	1991	92 01 - GPP
192	4.49	0.207	0.28	0.79	45	820	49	16 839	-975.2	1 590.2	1980	93 12 - GPP
64	4.20	0.150	0.39	0.82	45	820	49	16 377	-976.1	1 600.7	1982	89 12 - GPP
192	1.27	0.147	0.35	0.82	66	833	41	16 420	-981.3	1 643.2	1981	88 10 - GPP
64	1.80	0.240	0.20	0.82	45	833	49	16 822	-983.6	1 600.6	1981	88 10 - GPP
128	4.98	0.186	0.27	0.82	45	825	49	16 699	-982.5	1 585.5	1979	88 10 - GPP
64	3.00	0.170	0.17	0.88	62	835	43	16 361	-971.7	1 566.0	1981	87 05 - GPP
64	3.50	0.215	0.27	0.83	62	835	43	16 426	-969.1	1 568.0	1981	84 12 - GPP
128	2.61	0.120	0.30	0.88	36	833	42	15 495	-962.0	1 585.1	1982	92 12 - GPP
192	1.74	0.120	0.31	0.88	36	846	42	16 381	-959.0	1 569.5	1981	92 12 - GPP
64	2.00	0.180	0.30	0.82	45	833	49	16 534	-991.4	1 608.0	1982	88 10 - GPP
128	1.66	0.100	0.30	0.88	36	854	42	13 206	-963.8	1 606.5	1982	90 12 - GPP
64	0.82	0.040	0.30	0.88	44	854	39	15 470	-959.2	1 613.0	1982	85 12 - ABAND 88 03
64	1.34	0.076	0.26	0.88	36	845	42	14 902	-969.7	1 630.5	1982	92 10 - GPP
64	2.82	0.160	0.40	0.88	62	840	45	17 954	-972.7	1 578.3	1982	89 12 - GPP
64	1.40	0.160	0.43	0.88	36	846	42	14 937	-955.2	1 561.2	1989	93 12 - GPP
64	0.80	0.130	0.40	0.88	36	846	42	15 079	-958.7	1 589.8	1990	90 09 - GPP
64	0.86	0.070	0.35	0.88	36	846	42	14 957	-972.2	1 586.5	1989	91 12 - GPP
64	1.80	0.150	0.40	0.88	45	825	48		-976.7	1 627.9	1981	93 12 - GPP
64	1.92	0.150	0.38	0.89	34	845	43	16 248	-983.1	1 590.1	1982	93 09 - ABAND 91 06
64	4.50	0.150	0.48	0.89	44	835	44	16 548	-981.6	1 597.1	1982	91 08 - GPP
64	6.30	0.170	0.40	0.89	49	845	38	16 453	-985.3	1 609.0	1989	93 01 - GPP
842	5.17	0.196	0.29	0.88	53	824	38	16 137	-933.6	1 511.7	1985	91 04 - GPP
448	9.84	0.194	0.27	0.85	50	828	36	15 937	-927.5	1 494.1	1985	87 12 - GPP
103	2.20	0.100	0.51	0.90	33	833	43	16 557	-995.0	1 597.4	1982	88 12 - GPP
16	4.00	0.175	0.25	0.90	34	845	43	16 804	-995.0	1 608.1	1982	88 12 - GPP
64	4.08	0.160	0.45	0.90	34	845	43	17 032	-994.9	1 608.5	1982	92 12 - GPP
25	2.00	0.150	0.48	0.90	64	844	43	16 521	-1 000.9	1 613.1	1983	85 05 - ABAND 89 08
32	4.65	0.130	0.40	0.90	34	845	43	15 135	-992.0	1 610.4	1990	91 12 - GPP
32	5.80	0.150	0.50	0.90	34	845	43	16 353	-997.1	1 616.6	1990	91 11 - GPP
16	5.00	0.150	0.46	0.90	34	844	43	15 683	-993.6	1 609.9	1991	91 07 - GPP
64	1.70	0.220	0.39	0.89	49	835	38	13 992	-965.0	1 551.2	1992	92 10 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
EWING LAKE 037-21W4								
D-2 C	543.0	0.35		190.0		190.0	165.9	24.1
D-2 D	2 037.0	0.35		713.0		713.0	623.2	89.8
D-2 E	121.0	<0.02		1.3		1.3	1.3	
D-2 F	246.0	0.10		24.6		24.6	3.2	21.4
D-3 A	516.0	0.55		284.0		284.0	279.1	4.9
D-3 B	252.0	0.20		50.4		50.4	23.6	26.8
FIELD TOTAL	3 715.0			1 263.3		1 263.3	1 096.3	167.0
EXCELSIOR 056-24W4								
MANNVILLE A	1 800.0	0.05		90.0		90.0	0.7	89.3
MANNVILLE F WATER FLOOD	789.0	0.20	0.15	158.0	118.0	276.0	72.2	203.8
D-2	6 800.0	0.66		4 488.0		4 488.0	4 409.9	78.1
FIELD TOTAL	9 389.0			4 736.0	118.0	4 854.0	4 482.8	371.2
EXPANSE 088-04W6								
GILWOOD A	474.0	<0.02		6.0		6.0	5.6	0.4
GILWOOD B	55.2	<0.02		0.8		0.8	0.8	
FIELD TOTAL	529.2			6.8		6.8	6.4	0.4
FAIRYDELL-BON ACCORD 057-24W4								
UPPER VIKING B	234.0	<0.09		20.0		20.0	20.0	
MIDDLE VIKING C	36.9	<0.10		3.4		3.4	3.4	
UPPER MANNVILLE B	93.6	0.10		9.4		9.4	0.8	8.6
BASAL MANNVILLE A	287.0	0.05		14.4		14.4	2.9	11.5
BASAL MANNVILLE C	2 756.0	0.05		138.0		138.0	107.7	30.3
BASAL MANNVILLE H	350.0	<0.01		0.5		0.5	0.5	
BASAL MANNVILLE J	128.0	<0.01		0.8		0.8	0.8	
BASAL MANNVILLE L	518.0	0.10		51.8		51.8		51.8
D-2 A	1 030.0	<0.13		124.6		124.6	124.6	
D-2 B	671.0	0.45		302.0		302.0	300.6	1.4
D-3 A	2 769.0	0.72		1 994.0		1 994.0	1 880.4	113.6
D-3 B	210.0	0.05		10.5		10.5	4.9	5.6
FIELD TOTAL	9 083.5			2 669.4		2 669.4	2 446.6	222.8
FARRELL 034-16W4								
LOWER MANNVILLE A	104.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL	104.0			0.1		0.1	0.1	
FARROW 020-24W4								
BOW ISLAND A	95.6	0.05		4.8		4.8	0.7	4.1
GLAUCONITIC A	64.8	0.10		6.5		6.5	2.6	3.9
GLAUCONITIC B	161.0	0.15		24.2		24.2	1.2	23.0
OSTRACOD A	40.6	0.10		4.1		4.1	0.3	3.8
BASAL QUARTZ B	405.0	0.10		40.5		40.5	27.2	13.3
BASAL QUARTZ E	135.0	<0.03		2.9		2.9	1.4	1.5
BASAL QUARTZ F	230.0	0.10		23.0		23.0	2.7	20.3
BASAL QUARTZ G	132.0	0.07		9.2		9.2	7.5	1.7
BASAL QUARTZ I	80.9	0.10		8.1		8.1	4.5	3.6
BASAL QUARTZ J	135.0	0.10		13.5		13.5	0.1	13.4
BASAL QUARTZ L	224.0	0.03		6.7		6.7	0.1	6.6
SAWTOOTH A	97.5	<0.01		0.1		0.1	0.1	
FIELD TOTAL	1 801.4			143.6		143.6	48.4	95.2
FENN WEST 036-20W4								
BANFF A	11.8	<0.17		1.9		1.9	1.9	
D-2 A	2 892.0	0.60		1 735.0		1 735.0	1 607.1	127.9
D-2 B	154.0	<0.03		3.1		3.1	3.1	
D-2 C	690.0	0.15		104.0		104.0	56.3	47.7
D-2 D	374.0	0.15		56.1		56.1	34.0	22.1
D-2 E	400.0	0.40		160.0		160.0	90.3	69.7
D-3 A	559.0	0.10		55.9		55.9	41.3	14.6
D-3 B	154.0	0.05		7.7		7.7	4.8	2.9
D-3 C	375.0	0.32		120.0		120.0	110.0	10.0
D-3 D	79.7	<0.01		0.1		0.1	0.1	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
460	2.56	0.067	0.16	0.82	66	855	66	12 587	-784.9	1 637.4	1960	89 12 - GPP
1 172	3.74	0.070	0.17	0.80	66	876	66	12 644	-785.3	1 632.0	1953	89 12 - GPP
64	5.90	0.080	0.50	0.80	66	876	66	12 694	-791.6	1 636.1	1981	87 12 - ABAND 93 06
64	5.20	0.100	0.10	0.82	65	873	64	11 934	-787.8	1 631.6	1986	87 05 - GPP
322	4.18	0.057	0.18	0.82	69	870	60	13 240	-820.3	1 669.5	1953	79 12 - GPP
32	18.50	0.070	0.26	0.82	71	844	58	12 547	-824.3	1 668.9	1980	84 10 - GPP
797	2.13	0.204	0.35	0.80	30	876	38	6 990	-368.6	1 070.7	1951	92 09 - GPP
256	2.34	0.210	0.34	0.95	55	859	45	7 734	-417.4	1 121.1	1951	93 10 - GPP
565	25.14	0.064	0.15	0.88	39	844	48	8 662	-477.4	1 180.3	1949	92 12 - GPP
64	9.80	0.140	0.35	0.83	57	845	73	23 086	-1 573.0	2 454.8	1982	90 12 - GPP
16	5.00	0.130	0.36	0.83	50	824	86		-1 574.3	2 466.7	1983	92 12 - GPP
100	1.83	0.200	0.20	0.80	43	860	38	5 529	-129.1	832.9	1953	89 12 - GPP
64	0.90	0.200	0.60	0.80	43	860	38	5 591	-138.9	843.0	1953	85 09 - ABAND 58 10
16	5.00	0.260	0.50	0.90	43	964	43	7 632	-210.3	913.5	1991	93 01
32	5.80	0.240	0.30	0.92	40	909	38	6 699	-342.2	1 049.6	1951	84 04 - GPP
274	6.70	0.220	0.25	0.91	35	887	42	7 319	-355.2	1 064.7	1965	89 11 - GPP
32	6.00	0.260	0.22	0.90	40	900	32	7 424	-362.1	1 066.8	1976	85 07 - ABAND 91 05
16	7.50	0.180	0.35	0.91	40	900	32	5 804	-358.9	1 067.3	1979	92 11 - GPP
64	6.10	0.230	0.38	0.93	28	859	32		-389.3	1 093.7	1955	93 10
306	5.18	0.083	0.15	0.92	27	870	42	7 877	-411.0	1 093.8	1949	64 04
214	7.19	0.057	0.17	0.92	27	870	41	8 227	-443.6	1 148.7	1953	68 02 - GPP
405	13.73	0.063	0.15	0.93	33	898	47	9 168	-524.2	1 228.6	1953	85 05 - GPP
16	13.70	0.110	0.10	0.97	20	990	38	9 180	-538.1	1 198.7	1987	88 06 - GPP
64	2.40	0.130	0.40	0.87	42	890	70	8 814	-349.5	1 220.6	1976	82 09 - ABAND 88 07
64	3.00	0.120	0.50	0.83	62	854	43	7 942	-430.3	1 437.2	1987	88 01 - GPP
64	1.50	0.140	0.39	0.79	98	813	42	12 950	-684.3	1 777.8	1988	89 06 - GPP
32	6.80	0.180	0.48	0.79	98	813	42	12 666	-657.1	1 653.3	1992	92 10
64	0.90	0.130	0.37	0.86	64	851	41	14 077	-732.4	1 849.1	1988	88 07 - GPP
266	1.94	0.150	0.37	0.83	60	867	59	13 830	-716.5	1 759.2	1964	91 11
64	3.00	0.170	0.50	0.83	83	838	45	14 787	-739.1	1 829.3	1988	88 08 - GPP
64	4.90	0.130	0.32	0.83	83	839	45	14 444	-751.2	1 744.3	1988	88 11 - GPP
64	1.52	0.200	0.15	0.80	80	834	54	14 746	-734.1	1 700.3	1970	89 10 - GPP
64	1.40	0.170	0.36	0.83	83	839	45	13 916	-726.9	1 776.5	1990	91 03 - GPP
32	4.80	0.160	0.34	0.83	83	839	45	14 641	-743.6	1 777.9	1990	91 03
64	3.90	0.180	0.40	0.83	60	867	59	14 036	-707.1	1 735.2	1987	91 11
64	3.40	0.120	0.55	0.83	68	867	42	15 022	-729.8	1 834.5	1987	92 10
5	7.93	0.070	0.50	0.85	71	855	44	7 752	-499.0	1 422.2	1977	79 10 - ABAND 81 02
1 307	6.23	0.060	0.26	0.80	81	860	61	12 520	-782.3	1 701.1	1961	91 12 - GPP
64	5.00	0.090	0.35	0.82	20	866	33	11 994	-782.1	1 633.5	1980	80 09 - ABAND 82 06
128	12.19	0.070	0.22	0.81	73	846	62	12 385	-820.0	1 714.5	1982	86 12
64	12.90	0.070	0.21	0.82	70	847	63	12 520	-847.0	1 738.9	1982	89 01 - GPP
85	12.40	0.058	0.22	0.84	73	865	62	12 578	-843.3	1 730.6	1983	84 08
64	15.50	0.080	0.20	0.88	35	849	55	12 981	-872.7	1 783.2	1982	86 12 - GPP
64	7.26	0.048	0.15	0.81	89	858	58	12 720	-862.1	1 754.6	1982	86 12 - GPP
14	40.88	0.091	0.10	0.80	67	860	61	13 191	-914.6	1 809.9	1982	92 08 - GPP
64	5.00	0.040	0.25	0.83	67	893	60	10 145	-881.0	1 804.8	1982	83 03 - ABAND 83 08

TABLE 2-6

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE 10 ³ m ³	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 10 ³ m ³	REMAINING ESTABLISHED RESERVES 10 ³ m ³
		PRIMARY frac	ENHANCED frac	PRIMARY 10 ³ m ³	ENHANCED 10 ³ m ³	TOTAL 10 ³ m ³		
FENN WEST 036-20W4 (CONTINUED)								
D-3 E	1 484.0	0.35		519.0		519.0	488.5	30.5
D-3 F	171.0	0.20		34.2		34.2	18.7	15.5
D-3 G	987.0	<0.02		13.9		13.9	13.9	
FIELD TOTAL	8 331.5			2 810.9		2 810.9	2 470.0	340.9
FENN-BIG VALLEY 035-20W4								
VIKING D	185.0	0.05		9.3		9.3	0.8	8.5
BLAIRMORE B	357.0	<0.01		2.3		2.3	2.3	
UPPER MANNVILLE A	168.0	0.10		16.8		16.8	6.2	10.6
UPPER MANNVILLE K	759.0	0.05		38.0		38.0	7.2	30.8
UPPER MANNVILLE L	347.0	0.05		17.4		17.4	1.9	15.5
UPPER MANNVILLE O	231.0	0.05		11.6		11.6	1.4	10.2
D-2 A TOTAL	80 000.0			48 710.0	302.0	49 010.0	48 340.5	669.5
PRIMARY AREA	74 200.0	0.62		46 000.0		46 000.0		
SOLVENT FLOOD AREA	5 803.0	<0.47	0.05	2 714.0	302.0	3 016.0		
D-2 B	99.5	<0.02		1.1		1.1	1.1	
D-2 C	374.0	0.25		93.5		93.5	86.9	6.6
D-2 D TOTAL	1 600.0			248.0	90.0	338.0	311.9	26.1
PRIMARY AREA	600.0	0.18		108.0		108.0		
WATER FLOOD AREA	1 000.0	0.14	0.09	140.0	90.0	230.0		
D-2 E	132.0	0.18		23.8		23.8	10.0	13.8
D-3 A	642.0	0.75		482.0		482.0	458.8	23.2
D-3 B	261.0	0.45		117.0		117.0	102.2	14.8
D-3 C	110.0	0.45		49.5		49.5	42.6	6.9
D-3 E	329.0	0.17		55.9		55.9	49.0	6.9
D-3 F	3 000.0	0.75		2 250.0		2 250.0	2 110.4	139.6
D-3 G	260.0	0.20		52.0		52.0	29.5	22.5
D-3 H	47.7	0.10		4.8		4.8	3.2	1.6
D-3 I	407.0	0.65		265.0		265.0	248.8	16.2
FIELD TOTAL	89 309.2			52 448.0	392.0	52 838.0	51 814.7	1 023.3
FERRIER 040-08W5								
BELLY RIVER A	4 885.0	<0.17		800.0		800.0	481.3	318.7
BELLY RIVER C	358.0	0.10		35.8		35.8	20.6	15.2
BELLY RIVER E	234.0	<0.01		0.5		0.5	0.5	
BELLY RIVER F	95.6	<0.01		0.7		0.7	0.7	
BELLY RIVER H	36.6	<0.01		0.2		0.2	0.2	
BELLY RIVER I	51.1	<0.01		0.1		0.1	0.1	
CARDIUM C	248.0	0.05		12.4		12.4	7.2	5.2
CARDIUM F	94.9	0.10		9.5		9.5	0.8	8.7
CARDIUM X	185.0	<0.01		0.4		0.4	0.4	
CARDIUM BB	140.0	<0.01		0.2		0.2	0.2	
CARDIUM GG	31.5	<0.01		0.1		0.1	0.1	
CARDIUM LL	167.0	0.05		8.4		8.4	4.4	4.0
CARDIUM G & L TOTAL	93 710.0			4 206.0	7 993.0	12 200.0	8 187.0	4 013.0
PRIMARY AREA	27 100.0	0.03		813.0		813.0		
WATER FLOOD AREA	66 610.0	<0.06	0.12	3 393.0	7 993.0	11 390.0		
CARDIUM R & U	223.0	0.10		22.3		22.3	7.7	14.6
CARDIUM B,N & VIKING A	2 880.0	0.13		374.0		374.0	346.6	27.4
VIKING C	76.8	<0.13		9.5		9.5	9.5	
VIKING D	65.9	0.10		6.6		6.6	4.6	2.0
VIKING E	61.3	<0.05		3.0		3.0	3.0	
VIKING F	60.0	0.15		9.0		9.0	7.2	1.8
VIKING G	400.0	0.10		40.0		40.0	30.8	9.2
VIKING H	25.4	0.15		3.8		3.8	0.3	3.5
ELLERSLIE C	311.0	0.10		31.1		31.1	22.9	8.2
ROCK CREEK B	107.0	<0.01		0.2		0.2	0.2	
SHUNDA A	132.0	<0.01		0.4		0.4	0.4	
FIELD TOTAL	104 579.1			5 574.2	7 993.0	13 568.2	9 136.7	4 431.5
FERRYBANK 044-27W4								
BELLY RIVER I	396.0	0.05		19.8		19.8	2.6	17.2
BELLY RIVER C,G & H TOTAL	22 400.0			2 240.0	735.0	2 975.0	939.1	2 035.9
PRIMARY AREA	7 701.0	0.10		770.0		770.0		
WATER FLOOD AREA	14 700.0	0.10	0.05	1 470.0	735.0	2 205.0		

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
56	55.13	0.069	0.14	0.81	76	848	65	13 199	-907.4	1 793.3	1983	93 12 - GPP
20	21.60	0.062	0.21	0.81	76	861	67	12 989	-907.2	1 801.8	1984	89 12 - GPP
64	24.00	0.103	0.23	0.81	75	860	65	12 534	-895.5	1 783.8	1985	85 11 - ABAND 88 08
64	3.50	0.170	0.40	0.81	70	857	60	6 494	-344.6	1 195.6	1954	87 12 - GPP
64	5.10	0.200	0.25	0.73	90	846	47	8 998	-451.0	1 292.6	1952	84 12 - ABAND 90 09
64	2.00	0.230	0.32	0.84	53	890	39	8 134	-361.0	1 197.7	1984	86 05 - GPP
64	15.51	0.150	0.44	0.91	33	869	39	8 480	-361.2	1 194.6	1991	91 11
64	6.10	0.160	0.39	0.91	33	869	39	9 286	-364.6	1 198.4	1991	91 11
32	8.60	0.210	0.56	0.91	33	870	39	8 621	-362.0	1 199.8	1991	92 12 - GPP
5 994					77	865	58	12 579	-762.9	1 611.4	1950	90 12 - GPP
4 971	17.06	0.120	0.10	0.81								
1 023	9.93	0.082	0.14	0.81								
64	4.63	0.060	0.30	0.80	78	855	52	13 019	-778.9	1 652.9	1976	78 04
16	18.90	0.170	0.10	0.81	81	860	61	12 489	-752.2	1 605.9	1956	92 12 - GPP
280					63	876	62	12 002	-747.2	1 603.6	1951	91 12 - GPP
120	6.68	0.110	0.15	0.80								
160	8.36	0.110	0.15	0.80								
32	5.09	0.145	0.31	0.81	65	882	63	11 906	-755.8	1 599.8	1963	85 08 - GPP
369	4.42	0.060	0.20	0.82	76	849	58	12 900	-790.4	1 631.9	1950	86 12 - GPP
119	3.81	0.085	0.15	0.80	80	876	59	12 511	-779.8	1 630.8	1954	65 02 - GPP
101	2.44	0.067	0.18	0.81	73	892	60	12 510	-783.9	1 643.3	1952	93 12 - GPP
182	3.05	0.085	0.15	0.82	73	865	58	12 772	-781.4	1 626.0	1952	81 12 - GPP
626	6.64	0.100	0.12	0.82	73	898	61	12 815	-796.2	1 651.2	1954	84 11 - GPP
128	3.40	0.090	0.17	0.80	73	904	41	12 918	-783.7	1 620.0	1952	88 09 - GPP
16	3.10	0.120	0.12	0.91	38	960	57	11 833	-781.8	1 646.5	1983	93 11 - GPP
175	3.93	0.084	0.12	0.80	75	904	60	12 896	-797.6	1 653.7	1952	84 12 - GPP
1 777	4.60	0.120	0.40	0.83	62	820	59	9 638	-712.7	1 697.2	1966	88 07
65	7.32	0.130	0.30	0.83	66	829	54	8 518	-653.4	1 626.9	1974	76 01 - GPP
16	12.00	0.210	0.30	0.83	70	898	50	9 959	-740.1	1 715.5	1980	92 11 - GPP
64	3.00	0.120	0.50	0.83	54	830	57	9 056	-648.8	1 615.8	1982	83 04
64	1.13	0.111	0.45	0.83	61	834	55	9 393	-722.1	1 702.8	1984	89 12
64	1.64	0.100	0.42	0.84	54	818	57	11 347	-894.1	1 961.0	1988	92 06 - ABAND 90 12
434	0.87	0.120	0.27	0.75	166	806	71	23 291	-1 203.0	2 200.1	1961	89 09 - GPP
65	1.52	0.140	0.12	0.78	133	834	52	21 216	-1 043.2	2 008.5	1955	88 07 - GPP
64	4.40	0.123	0.15	0.63	175	824	75	21 334	-1 203.5	2 204.6	1980	83 12
64	2.95	0.140	0.20	0.66	150	813	70	20 237	-1 232.6	2 303.7	1976	82 05 - ABAND 91 12
16	2.40	0.140	0.15	0.69	180	806	70	21 856	-1 174.6	2 199.3	1980	92 10 - ABAND 92 08
64	2.74	0.170	0.15	0.66	160	811	66	21 921	-1 188.7	2 205.5	1976	89 11 - GPP
34 090					190	806	70	22 059	-1 195.0	2 237.1	1961	92 04 - GPP
13 912	2.91	0.125	0.15	0.63								
20 178	4.67	0.132	0.15	0.63								
64	6.98	0.093	0.20	0.67	218	824	71	24 764		2 283.4	1976	93 01 - GPP
6 066	1.50	0.078	0.30	0.58	273	811	78	28 254	-1 385.0	2 413.1	1955	92 11 - GPP
64	2.50	0.100	0.20	0.60	190	825	73	26 294	-1 464.7	2 461.8	1979	91 09 - ABAND 90 02
64	3.00	0.075	0.25	0.61	217	823	81	26 186	-1 412.3	2 378.0	1982	89 12 - GPP
64	2.00	0.090	0.25	0.71	134	836	93	25 707	-1 497.7	2 502.3	1979	89 12
125	1.00	0.090	0.25	0.71	140	815	84	28 194	-1 459.2	2 483.7	1985	87 05 - GPP
200	4.19	0.101	0.25	0.63	243	825	77	25 155	-1 400.9	2 381.9	1988	89 07 - GPP
64	0.80	0.100	0.30	0.71	134	837	93	24 703	-1 345.8	2 337.6	1989	89 12
64	7.15	0.130	0.13	0.60	190	797	84	22 100	-1 670.4	2 667.5	1979	86 09
64	3.50	0.085	0.24	0.74	120	828	70	22 208	-1 597.8	2 563.9	1982	83 04
65	5.18	0.083	0.25	0.63	195	815	81	22 603	-1 644.1	2 602.7	1965	67 04 - ABAND 67 11
64	5.20	0.190	0.32	0.92	30	850	36	5 970	-80.0	940.2	1988	89 06 - GPP
5 721					28	850	38	5 836	-72.9	976.2	1970	93 01
2 137	4.40	0.180	0.50	0.91								
3 584	4.90	0.184	0.50	0.91								

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
FERRYBANK 044-27W4 (CONTINUED)								
GLAUCONITIC C	396.0	<0.01		0.5		0.5	0.5	
LOWER MANNVILLE G	226.0	<0.02		4.2		4.2	4.2	
LOWER MANNVILLE I	155.1	0.05		7.8		7.8	6.5	1.3
LOWER MANNVILLE M	326.0	<0.01		1.4		1.4	1.4	
BANFF C	285.0	0.05		14.3		14.3	0.9	13.4
BANFF D	91.6	0.10		9.2		9.2	4.9	4.3
FIELD TOTAL	24 275.7			2 297.2	735.0	3 032.2	960.1	2 072.1
FIR 059-21W5								
CARDIUM A	135.0	0.10		13.5		13.5	6.8	6.7
CARDIUM B	94.6	0.10		9.5		9.5	4.7	4.8
CARDIUM D	127.0	0.10		12.7		12.7	8.7	4.0
FIELD TOTAL	356.6			35.7		35.7	20.2	15.5
FIRE 113-07W6								
SULPHUR POINT C	441.0	0.20		88.2		88.2	18.2	70.0
MUSKEG A	278.0	0.15		41.7		41.7	0.3	41.4
KEG RIVER A	256.0	<0.05		11.8		11.8	11.7	0.1
KEG RIVER B	134.0	<0.01		0.3		0.3	0.3	
KEG RIVER C	223.0	0.20		44.6		44.6	20.7	23.9
KEG RIVER D	150.0	0.25		37.5		37.5	4.3	33.2
KEG RIVER E	354.0	0.35		124.0		124.0	36.8	87.2
KEG RIVER F	72.2	0.20		14.4		14.4	9.5	4.9
KEG RIVER G	120.0	0.25		30.0		30.0	4.2	25.8
KEG RIVER H	90.1	0.35		31.5		31.5	3.4	28.1
FIELD TOTAL	2 118.3			424.0		424.0	109.4	314.6
FOLEY LAKE 066-06W5								
VIKING A	197.0	0.05		9.9		9.9	2.9	7.0
FIELD TOTAL	197.0			9.9		9.9	2.9	7.0
FOURTH 082-09W6								
HALFWAY A	712.0	0.05		35.6		35.6	11.6	24.0
FIELD TOTAL	712.0			35.6		35.6	11.6	24.0
FOX CREEK 062-18W5								
GETHING B	2 974.0	0.05		149.0		149.0	88.4	60.6
GETHING D & H	767.0	0.05		38.4		38.4	10.9	27.5
BEAVERHILL LAKE A	1 700.0	0.15	0.30	255.0	510.0	765.0	653.6	111.4
WATER FLOOD								
BEAVERHILL LAKE B	42.5	0.20		8.5		8.5	0.8	7.7
FIELD TOTAL	5 483.5			450.9	510.0	960.9	753.7	207.2
GADSBY 038-19W4								
MANNVILLE K	43.8	0.10		4.4		4.4	0.2	4.2
MANNVILLE L	123.0	0.10		12.3		12.3	0.1	12.2
MANNVILLE N	69.8	0.05		3.5		3.5	0.1	3.4
FIELD TOTAL	236.6			20.2		20.2	0.4	19.8
GALAHAD 041-15W4								
ELLERSLIE A	158.0	0.05		7.9		7.9	2.9	5.0
ELLERSLIE E	188.0	<0.03		4.9		4.9	4.9	
ELLERSLIE F	185.0	0.20		37.0		37.0	18.8	18.2
ELLERSLIE G	61.3	0.20		12.3		12.3	5.3	7.0
ELLERSLIE H	99.7	0.10		10.0		10.0	3.8	6.2
ELLERSLIE I	111.0	0.10		11.1		11.1	0.2	10.9
ELLERSLIE J	41.2	0.10		4.1		4.1	0.8	3.3
CAMROSE A	252.0	0.15		37.8		37.8	22.4	15.4
CAMROSE B	472.0	0.15		70.8		70.8	31.5	39.3
FIELD TOTAL	1 568.2			195.9		195.9	90.6	105.3

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
64	5.30	0.180	0.19	0.80	88	860	30	13 190	-826.7	1 734.9	1984	85 11
64	4.00	0.160	0.31	0.80	82	860	60	10 523	-820.0	1 705.0	1978	79 10 - ABAND 88 08
53	2.50	0.190	0.23	0.80	76	894	57	12 595	-803.4	1 683.8	1981	86 07 - GPP
128	4.24	0.120	0.35	0.77	95	820	66	13 699	-848.3	1 741.8	1984	85 10
32	11.40	0.150	0.35	0.80	45	905	55	11 104	-795.8	1 725.0	1985	85 06 - GPP
32	6.31	0.090	0.37	0.80	55	905	64	11 096	-796.8	1 757.1	1985	91 12 - GPP
64	3.70	0.100	0.25	0.76	107	850	56	20 692	-741.6	1 854.7	1977	81 02 - GPP
64	2.60	0.110	0.32	0.76	105	836	60	20 892	-766.1	1 895.3	1980	86 01 - GPP
64	2.18	0.150	0.20	0.76	170	841	72	20 687	-771.4	1 735.5	1989	92 12 - GPP
64	11.30	0.090	0.12	0.77	90	843	72	14 274	-1 125.4	1 457.3	1969	92 07
64	13.40	0.060	0.26	0.73	105	869	87	15 475	-1 191.3	1 528.4	1966	92 09
22	61.70	0.035	0.30	0.77	95	844	77	15 631	-1 214.8	1 546.7	1969	88 12 - GPP
20	36.58	0.034	0.30	0.77	95	849	77	15 513	-1 207.0	1 539.5	1970	71 12 - ABAND 71 10
17	53.16	0.040	0.20	0.77	95	844	77	15 184	-1 201.3	1 533.8	1969	82 12 - GPP
20	48.34	0.031	0.35	0.77	86	875	68	15 258	-1 191.4	1 524.3	1986	86 08 - GPP
16	83.90	0.045	0.24	0.77	95	857	77	15 586	-1 247.9	1 583.0	1987	90 12 - GPP
16	43.94	0.020	0.35	0.79	74	844	74	15 389	-1 201.1	1 534.0	1986	93 12 - GPP
22	29.90	0.034	0.27	0.73	115	851	67	15 319	-1 172.6	1 518.2	1970	87 05 - GPP
16	32.50	0.030	0.25	0.77	99	843	77	14 861	-1 192.0	1 524.8	1987	90 09 - GPP
64	3.05	0.170	0.30	0.85	58	880	32	6 991	-104.7	889.0	1973	92 06 - GPP
256	4.67	0.108	0.31	0.80	79	844	50	11 811	-573.3	1 298.3	1979	89 12
745	5.11	0.150	0.38	0.84	64	882	59	14 684	-1 031.5	1 919.0	1977	89 10
192	4.78	0.180	0.42	0.80	76	893	61	14 920	-1 028.1	1 901.4	1959	93 07 - GPP
1 200	5.40	0.082	0.20	0.40	530	795	110	28 836	-2 195.6	3 083.8	1975	92 10
64	4.11	0.056	0.24	0.38	508	801	110	28 979	-2 198.7	3 088.1	1976	87 01
16	2.50	0.190	0.28	0.80	53	880	49	9 272	-454.7	1 287.6	1992	93 03
32	4.01	0.170	0.33	0.84	64	852	48		-452.5	1 289.5	1992	92 09
8	6.70	0.210	0.27	0.85	64	852	48	9 696	-430.5	1 271.7	1992	93 12 - GPP
32	3.23	0.240	0.25	0.85	60	887	40	8 260	-329.6	1 056.3	1983	92 06 - GPP
64	2.80	0.190	0.40	0.92	18	886	29	7 421	-338.6	1 097.9	1988	93 08 - ABAND 93 02
28	4.39	0.220	0.28	0.95	16	908	34	7 071	-316.7	1 036.3	1989	91 02 - GPP
32	1.80	0.180	0.35	0.91	37	899	35	7 383	-315.4	1 034.2	1990	90 09 - GPP
32	2.10	0.260	0.38	0.92	48	897	37		-339.0	1 097.3	1992	92 09 - GPP
32	3.50	0.190	0.45	0.95	16	908	34	7 557	-332.5	1 091.0	1992	93 01
16	1.90	0.220	0.33	0.92	48	897	37		-306.5	1 028.2	1992	93 12 - GPP
64	4.75	0.140	0.26	0.80	80	929	51	8 732	-447.8	1 170.6	1983	89 05 - GPP
64	10.00	0.100	0.18	0.90	34	898	48	8 691	-471.1	1 198.5	1989	90 01

TABLE 2-6

FIELD POOL	1	3		5			6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL			
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	
GARDEN PLAINS									
032-13W4									
UPPER MANNVILLE C	520.0	0.05		26.0		26.0	1.5	24.5	
UPPER MANNVILLE H	123.0	<0.01		0.2		0.2	0.2		
UPPER MANNVILLE K	247.0	0.03		7.4		7.4	2.0	5.4	
LOWER MANNVILLE C	51.9	<0.01		0.1		0.1	0.1		
FIELD TOTAL	941.9			33.7		33.7	3.8	29.9	
GARRINGTON 034-04W5									
CARDIUM F	141.0	<0.01		0.1		0.1	0.1		
CARDIUM G	114.0	<0.01		1.0		1.0	1.0		
CARDIUM H	23.8	<0.02		0.3		0.3	0.3		
CARDIUM I	197.0	0.10		19.7		19.7	6.4	13.3	
CARDIUM L	95.7	<0.02		1.7		1.7	1.7		
CARDIUM M	1 388.0	0.10		139.0		139.0	88.8	50.2	
CARDIUM N	398.0	0.15		59.7		59.7	44.0	15.7	
CARDIUM O	133.0	0.05		6.7		6.7	2.4	4.3	
CARDIUM P	272.0	0.05		13.6		13.6	1.9	11.7	
CARDIUM Q	104.0	0.20		20.8		20.8	18.4	2.4	
CARDIUM R	43.2	<0.01		0.1		0.1	0.1		
CARDIUM T	117.0	0.05		5.9		5.9	0.8	5.1	
CARDIUM U	32.6	0.10		3.3		3.3	2.1	1.2	
CARDIUM V	100.0	0.10		10.0		10.0	1.3	8.7	
CARDIUM A & B TOTAL	31 620.0			1 580.0	1 820.0	3 400.0	3 072.4	327.6	
PRIMARY AREA	11 400.0	0.05		570.0		570.0			
WATER FLOOD AREA	20 220.0	0.05	0.09	1 010.0	1 820.0	2 830.0			
SECOND WHITE	87.5	<0.03		2.1		2.1	2.1		
SPECKS A									
SECOND WHITE	163.0	0.15		24.5		24.5	17.1	7.4	
SPECKS B									
SECOND WHITE	106.0	<0.02		1.3		1.3	1.3		
SPECKS C									
SECOND WHITE	94.2	<0.01		0.1		0.1	0.1		
SPECKS D									
SECOND WHITE	139.0	0.10		13.9		13.9	4.2	9.7	
SPECKS E									
SECOND WHITE	81.9	0.12		9.8		9.8	8.8	1.0	
SPECKS F									
SECOND WHITE	316.0	0.10		31.6		31.6	11.8	19.8	
SPECKS G									
SECOND WHITE	115.0	0.10		11.5		11.5	3.0	8.5	
SPECKS H									
SECOND WHITE	73.7	0.05		3.7		3.7	0.1	3.6	
SPECKS I									
VIKING A	13 000.0	0.10		1 300.0		1 300.0	781.1	518.9	
VIKING C	132.0	<0.03		2.7		2.7	2.7		
VIKING F	304.0	0.10		30.4		30.4	25.9	4.5	
VIKING J	72.4	0.20		14.5		14.5	7.8	6.7	
VIKING K	194.0	0.20		38.8		38.8	32.5	6.3	
VIKING L	197.0	0.03		5.9		5.9	4.5	1.4	
VIKING N	331.0	0.10		33.1		33.1	17.7	15.4	
VIKING P	103.0	0.15		15.5		15.5	5.7	9.8	
VIKING Q	860.0	0.12		103.0		103.0	86.8	16.2	
VIKING S	58.1	<0.01		0.5		0.5	0.5		
VIKING Y	71.0	0.05		3.6		3.6	0.2	3.4	
VIKING Z	128.0	0.15		19.2		19.2	0.9	18.3	
VIKING G & LOWER MANNVILLE RRR	316.0	0.03		9.5		9.5	3.9	5.6	
MANNVILLE B	9 718.0	<0.08		720.0		720.0	692.9	27.1	
MANNVILLE D	3 400.0	0.07		238.0		238.0	218.7	19.3	
MANNVILLE I	801.0	0.25		200.0		200.0	123.7	76.3	
MANNVILLE L	15.5	0.10		1.6		1.6	0.9	0.7	
MANNVILLE M	212.0	0.07		14.8		14.8	9.9	4.9	
MANNVILLE O	221.0	<0.01		0.4		0.4	0.4		
MANNVILLE R & LOWER MANNVILLE ZZ	116.0	0.20		23.2		23.2		23.2	
LOWER MANNVILLE A	83.3	<0.02		1.4		1.4	1.4		
LOWER MANNVILLE B	37.8	0.05		1.9		1.9	1.1	0.8	
LOWER MANNVILLE D	83.6	<0.05		4.0		4.0	4.0		
LOWER MANNVILLE E	403.0	0.03		12.1		12.1	4.4	7.7	
LOWER MANNVILLE I	257.0	<0.01		0.7		0.7	0.7		
LOWER MANNVILLE J	130.0	0.10		13.0		13.0	5.5	7.5	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
64	8.00	0.230	0.48	0.85	64	845	38	9 287	-300.0	1 122.7	1988	89 10
64	2.80	0.180	0.55	0.85	56	862	38	8 512	-278.3	1 066.6	1982	88 12 - ABAND 87 08
64	3.50	0.200	0.40	0.92	31	867	34	11 080	-282.3	1 067.3	1981	89 12
64	0.80	0.180	0.36	0.88	52	863	42	8 694	-319.3	1 128.9	1987	90 11 - ABAND 88 04
64	2.70	0.120	0.15	0.80	68	820	75	20 293	-873.1	1 852.9	1981	82 05 - ABAND 82 03
64	3.00	0.100	0.25	0.79	90	820	60	20 407	-852.1	1 846.9	1981	82 06 - ABAND 84 05
128	0.56	0.060	0.30	0.79	85	828	60	23 055	-849.2	1 837.4	1982	83 03 - ABAND 84 05
128	2.83	0.080	0.15	0.80	89	823	59	23 120	-855.6	1 849.5	1982	84 09 - GPP
64	2.00	0.110	0.15	0.80	89	822	59	23 272	-865.6	1 832.3	1983	89 12 - ABAND 90 06
1 444	1.68	0.110	0.35	0.80	48	843	67	17 703	-865.1	1 876.5	1960	88 12 - GPP
424	1.27	0.120	0.23	0.80	96	843	68	22 314	-868.7	1 887.3	1976	90 07 - GPP
64	3.10	0.100	0.15	0.79	88	819	60	20 222	-883.8	1 946.0	1984	89 12 - GPP
128	4.30	0.120	0.45	0.75	96	845	68	11 193	-968.1	2 027.0	1985	89 12 - GPP
104	1.46	0.104	0.13	0.76	108	840	64	24 130	-1 154.9	2 185.4	1962	88 12 - GPP
64	1.20	0.100	0.25	0.75	106	825	63	22 485	-910.3	1 908.4	1983	92 10
64	2.60	0.110	0.20	0.80	85	817	59	18 780	-831.7	1 810.5	1980	88 06 - GPP
64	1.00	0.075	0.15	0.80	85	817	59	18 857	-841.3	1 829.9	1985	90 03 - GPP
64	2.30	0.100	0.15	0.80	85	817	59	23 923	-1 132.8	2 197.6	1985	92 04
15 434					109	829	64	23 555	-833.1	1 875.7	1954	92 12
5 521	3.24	0.100	0.15	0.75								- GPP
9 913	3.20	0.100	0.15	0.75								- GPP
64	3.20	0.090	0.35	0.73	115	823	64	14 950	-1 196.4	2 314.1	1981	89 12 - ABAND 89 12
64	8.70	0.050	0.20	0.73	110	815	70	24 791	-1 148.0	2 202.7	1984	88 12 - GPP
16	13.00	0.100	0.30	0.73	110	819	67	23 123	-1 102.9	2 105.5	1984	88 06 - ABAND 88 03
64	8.40	0.030	0.20	0.73	115	815	53	23 907	-1 130.8	2 137.4	1985	86 03 - ABAND 88 03
64	8.50	0.050	0.20	0.64	177	823	84	23 386	-1 249.3	2 301.8	1985	86 10 - GPP
64	5.00	0.050	0.20	0.64	177	816	84	20 743	-1 203.1	2 234.3	1984	91 12 - GPP
64	6.50	0.130	0.20	0.73	120	789	73	25 526	-1 226.0	2 264.3	1984	84 08 - GPP
64	7.00	0.050	0.20	0.64	177	791	84	20 528	-1 161.6	2 229.3	1987	88 09 - GPP
64	4.50	0.050	0.20	0.64	187	834	69	22 447	-1 015.8	2 011.1	1983	91 03
3 264	7.44	0.100	0.37	0.85	57	841	64	9 724	-1 127.0	2 116.0	1977	85 01 - GPP
64	3.60	0.105	0.35	0.84	51	841	71	10 144	-1 286.0	2 382.2	1982	92 03 - ABAND 91 06
65	6.71	0.120	0.30	0.83	128	820	53	9 049	-987.5	2 002.5	1963	73 12 - GPP
116	1.87	0.053	0.25	0.84	51	842	71	9 077	-1 114.5	2 088.1	1983	87 12 - GPP
128	2.95	0.090	0.32	0.84	51	840	71	17 311	-1 252.0	2 262.8	1979	88 07 - GPP
64	7.35	0.087	0.35	0.74	110	832	71	8 211	-1 017.3	2 001.2	1981	86 12 - GPP
128	4.00	0.110	0.30	0.84	68	835	75	17 870	-1 318.7	2 352.5	1984	88 06
64	3.20	0.100	0.28	0.70	142	829	74	17 776	-1 373.2	2 396.9	1979	90 11 - GPP
624	3.62	0.080	0.32	0.70	110	842	77	21 087	-1 437.2	2 502.7	1984	90 06
64	1.50	0.120	0.40	0.84	68	835	75	18 083	-1 352.3	2 389.0	1985	86 10 - ABAND 87 10
64	2.10	0.088	0.25	0.80	71	839	71	9 506	-1 167.7	2 202.5	1975	89 11 - GPP
64	5.10	0.080	0.30	0.70	142	829	74	16 024	-1 391.4	2 469.6	1992	92 11
64	6.60	0.120	0.24	0.82	51	842	71	25 379	-1 088.5	2 117.0	1983	93 08 - GPP
5 433	4.11	0.128	0.15	0.40	385	797	68	32 000	-1 365.0	2 405.8	1963	88 12 - GPP
2 560	2.51	0.106	0.22	0.64	85	874	60	27 566	-1 483.7	2 564.9	1975	87 05 - GPP
200	4.60	0.160	0.15	0.64	181	864	81	29 302	-1 554.1	2 614.0	1982	92 12
64	0.40	0.110	0.14	0.64	250	821	97	27 601	-1 528.8	2 565.4	1984	85 10
128	3.10	0.110	0.24	0.64	181	874	81	27 132	-1 464.3	2 517.0	1984	93 12
16	22.10	0.110	0.20	0.71	126	807	79	27 246	-1 443.5	2 467.6	1985	92 11 - ABAND 91 10
64	3.30	0.100	0.19	0.68	152	843	82		-1 495.3	2 509.8	1979	93 09
65	2.74	0.110	0.15	0.50	301	829	64	23 181	-1 476.6	2 512.3	1974	75 11 - ABAND 75 06
64	1.85	0.080	0.20	0.50	301	825	64	28 531	-1 409.7	2 464.3	1974	76 02 - GPP
64	2.16	0.090	0.16	0.80	106	839	71	28 908	-1 374.3	2 441.7	1977	84 07 - ABAND 83 12
64	10.00	0.120	0.30	0.75	96	845	86	25 900	-1 602.2	2 639.0	1979	82 12 - GPP
64	6.50	0.110	0.25	0.75	110	855	63	21 585	-1 489.7	2 553.1	1981	84 12 - ABAND 82 10
64	1.50	0.200	0.10	0.75	100	821	83	24 875	-1 588.1	2 642.9	1982	87 12 - GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
GARRINGTON 034-04W5 (CONTINUED)								
LOWER MANNVILLE P	63.0	0.10		6.3		6.3	4.3	2.0
LOWER MANNVILLE S	163.0	<0.01		0.9		0.9	0.9	
LOWER MANNVILLE T	160.0	0.10		16.0		16.0	1.4	14.6
LOWER MANNVILLE U	69.6	<0.01		0.3		0.3	0.3	
LOWER MANNVILLE Y	128.0	<0.02		2.1		2.1	2.1	
LOWER MANNVILLE Z	111.0	<0.04		3.7		3.7	3.7	
LOWER MANNVILLE KK	105.0	0.10		10.5		10.5	1.6	8.9
LOWER MANNVILLE NN	28.7	0.05		1.4		1.4	0.6	0.8
LOWER MANNVILLE OO	47.8	0.05		2.4		2.4	0.5	1.9
LOWER MANNVILLE PP	71.7	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE UU	149.0	0.05		7.5		7.5	0.6	6.9
LOWER MANNVILLE VV	149.0	0.05		7.5		7.5	0.7	6.8
LOWER MANNVILLE WW	83.3	0.05		4.2		4.2	0.8	3.4
LOWER MANNVILLE XX	42.9	0.05		2.2		2.2	0.6	1.6
LOWER MANNVILLE N & O	450.0	0.10		45.0		45.0	30.8	14.2
LOWER MANNVILLE CC, DD & EE	240.0	0.10		24.0		24.0	5.5	18.5
LOWER MANNVILLE GG, HH & II	439.0	0.10		43.9		43.9	14.0	29.9
LOWER MANNVILLE O, CCC & NNN	752.0	0.03		22.5		22.5	11.4	11.1
LOWER MANNVILLE AAA	47.3	0.07		3.3		3.3	2.9	0.4
LOWER MANNVILLE BBB	104.0	0.05		5.2		5.2	0.9	4.3
LOWER MANNVILLE DDD	36.2	0.10		3.6		3.6	0.8	2.8
LOWER MANNVILLE EEE	59.5	0.10		6.0		6.0	0.8	5.2
LOWER MANNVILLE FFF	100.0	0.10		10.0		10.0	1.2	8.8
LOWER MANNVILLE GGG	36.6	0.10		3.7		3.7	0.4	3.3
LOWER MANNVILLE JJJ	76.2	0.10		7.6		7.6	1.8	5.8
LOWER MANNVILLE SSS	39.8	0.05		2.0		2.0	0.7	1.3
LOWER MANNVILLE TTT	155.0	0.10		15.5		15.5	1.6	13.9
ROCK CREEK B	218.0	0.10		21.8		21.8	3.0	18.8
ROCK CREEK C	147.0	<0.01		0.1		0.1	0.1	
ELKTON-SHUNDA A	52.5	<0.02		0.7		0.7	0.7	
WABAMUN A	6 470.0	0.20		1 294.0		1 294.0	1 226.0	68.0
NISKU A	211.0	0.15		31.6		31.6	6.2	25.4
LEDUC D	190.0	<0.08		14.4		14.4	14.4	
FIELD TOTAL	78 396.4			6 388.2	1 820.0	8 208.2	6 665.4	1 542.8
GARTLEY 031-18W4								
OSTRACOD A & BASAL QUARTZ B	172.0	0.15		25.8		25.8	2.7	23.1
FIELD TOTAL	172.0			25.8		25.8	2.7	23.1
GENESEE 050-03W5								
ELLERSLIE A	26.6	<0.01		0.1		0.1	0.1	
ELLERSLIE B	86.3	0.09		7.8		7.8	7.8	
FIELD TOTAL	112.9			7.9		7.9	7.9	
GEORGE 082-05W6								
KISKATINAW E	128.0	0.10		12.8		12.8	0.9	11.9
DEBOLT B	126.0	0.05		6.3		6.3	3.4	2.9
FIELD TOTAL	254.0			19.1		19.1	4.3	14.8
GHOST PINE 031-22W4								
UPPER MANNVILLE V	1 006.0	<0.02		16.0		16.0	16.0	
UPPER MANNVILLE W	200.0	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE HH	279.0	0.07		19.5		19.5	17.7	1.8
UPPER MANNVILLE LL	132.0	0.06		7.9		7.9	7.0	0.9
UPPER MANNVILLE NN	116.0	<0.01		0.6		0.6	0.6	
UPPER MANNVILLE RR	85.0	0.15		12.8		12.8	7.4	5.4
UPPER MANNVILLE WW	50.4	0.10		5.0		5.0	2.8	2.2
UPPER MANNVILLE YY	640.0	0.05		32.0		32.0	9.4	22.6
UPPER MANN Q.Y & FF	249.0	0.10		24.9		24.9	17.1	7.8
UPPER & LOWER MANNVILLE MU #1	564.0	0.08		45.1		45.1	38.7	6.4
UPPER MANNVILLE EEE	1 008.0	0.15		151.0		151.0	60.8	90.2

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
64	1.25	0.140	0.25	0.75	120	841	64	18 918	-1 382.3	2 440.8	1982	83 01
64	3.90	0.120	0.20	0.68	152	843	82	28 124	-1 373.3	2 386.1	1982	83 04
64	3.50	0.130	0.19	0.68	152	843	82	27 131	-1 511.1	2 596.8	1982	83 07 - GPP
64	2.50	0.080	0.20	0.68	152	843	82	26 428	-1 523.9	2 553.8	1983	84 07 - ABAND 83 11
64	3.30	0.095	0.15	0.75	152	841	82	23 308	-1 646.9	2 716.8	1984	88 12
16	10.20	0.120	0.21	0.72	152	841	82	23 166	-1 627.9	2 712.9	1984	84 12 - ABAND 88 08
64	2.80	0.100	0.25	0.78	113	871	84	15 372	-1 551.0	2 561.5	1980	81 03
64	0.60	0.120	0.17	0.75	191	807	88	31 011	-1 351.8	2 361.9	1974	87 01 - GPP
64	1.00	0.120	0.17	0.75	191	807	88	28 039	-1 365.7	2 375.8	1974	87 01 - GPP
64	1.50	0.120	0.17	0.75	191	807	88	28 137	-1 377.9	2 388.0	1974	87 01 - ABAND 87 03
128	1.81	0.110	0.22	0.75	152	829	82	25 810	-1 426.6	2 492.9	1974	88 06 - GPP
128	1.54	0.110	0.13	0.79	152	829	82	25 964	-1 445.2	2 511.6	1974	88 06 - GPP
128	1.39	0.080	0.22	0.75	152	829	82	26 071	-1 458.2	2 524.6	1974	88 06 - GPP
64	1.30	0.080	0.14	0.75	152	829	82	26 348	-1 492.4	2 565.9	1974	87 04 - GPP
428	1.34	0.126	0.17	0.75	158	845	82	28 194	-1 514.0	2 564.0	1981	85 07 - GPP
64	4.88	0.120	0.20	0.80	152	843	82	26 301	-1 554.8	2 586.0	1984	88 07
128	5.23	0.120	0.22	0.70	145	812	85	31 021	-1 510.7	2 551.6	1985	87 08 - GPP
320	3.80	0.110	0.24	0.74	152	843	82	28 238	-1 512.4	2 601.8	1982	91 02 - GPP
64	1.50	0.090	0.27	0.75	92	812	79	25 615	-1 417.8	2 461.1	1973	90 12 - GPP
64	2.40	0.110	0.18	0.75	92	812	79	25 515	-1 405.5	2 448.8	1973	87 12 - GPP
64	1.20	0.090	0.23	0.68	152	842	36	29 473	-1 505.8	2 511.0	1973	88 07 - GPP
64	1.80	0.100	0.24	0.68	152	842	36	26 147	-1 496.0	2 501.2	1973	88 07 - GPP
64	2.80	0.110	0.25	0.68	152	842	36	25 893	-1 464.9	2 470.1	1973	88 07 - GPP
64	1.50	0.080	0.30	0.68	152	843	82	29 777	-1 531.3	2 600.0	1982	89 01
16	7.30	0.120	0.20	0.68	152	843	82	30 266	-1 486.8	2 578.6	1975	93 12 - GPP
32	4.50	0.050	0.21	0.70	310	753	98	22 706	-1 407.8	2 394.8	1983	93 03 - GPP
64	3.80	0.150	0.15	0.50	280	784	83	24 711	-1 335.6	2 349.3	1979	93 01
64	5.40	0.140	0.40	0.75	98	853	70	21 943	-1 562.3	2 602.5	1987	87 09
32	5.00	0.140	0.18	0.80	65	819	82	21 747	-1 389.5	2 415.5	1988	91 10 - ABAND 90 03
64	2.00	0.072	0.15	0.67	140	845	82	19 271	-1 401.9	2 402.0	1979	83 12 - ABAND 84 08
2 912	10.61	0.055	0.32	0.56	271	834	84	24 790	-1 704.6	2 729.9	1952	84 12 - GPP
64	8.62	0.060	0.15	0.75	95	810	85	24 623	-1 917.0	2 903.1	1986	87 08 - GPP
32	18.10	0.069	0.15	0.56	255	805	93	19 524	-2 038.6	3 007.0	1985	90 12
64	4.20	0.150	0.51	0.87	51	853	42	9 537		1 309.6	1989	89 10 - GPP
64	0.80	0.100	0.35	0.80	85	850	45	16 767	-797.3	1 538.1	1983	88 12 - ABAND 92 06
64	2.40	0.120	0.35	0.72	135	901	55	16 589	-798.2	1 563.4	1981	91 10 - ABAND 90 06
64	3.00	0.160	0.48	0.80	82	877	53	14 688	-909.8	1 552.5	1990	91 03
64	4.00	0.090	0.30	0.78	99	829	52	15 760	-902.7	1 524.5	1976	83 12
227	3.94	0.210	0.37	0.85	67	855	58	10 129	-619.4	1 490.6	1954	79 03 - GPP
65	3.29	0.146	0.25	0.86	61	870	41	10 405	-588.8	1 396.8	1965	66 05
64	6.40	0.140	0.40	0.81	80	876	53	10 604	-652.2	1 498.0	1967	82 12 - GPP
64	2.14	0.186	0.39	0.85	55	820	66	10 098	-555.8	1 372.7	1973	92 12 - GPP
64	1.83	0.170	0.32	0.85	64	855	43	10 361	-569.9	1 391.0	1974	79 06 - ABAND 88 06
21	3.49	0.182	0.25	0.85	58	874	58	9 124	-630.8	1 486.3	1980	92 01
64	0.90	0.180	0.40	0.81	66	851	40	9 990	-553.7	1 359.3	1982	84 03
192	5.65	0.110	0.33	0.80	76	862	57	10 354	-659.1	1 500.5	1983	89 04 - GPP
65	3.96	0.200	0.40	0.81	80	876	53	10 484	-648.6	1 488.5	1961	68 12 - GPP
257	2.79	0.180	0.48	0.84	71	865	49	10 490	-619.1	1 440.3	1965	90 12 - GPP
320	2.71	0.190	0.28	0.85	120	875	52	10 403	-631.8	1 489.9	1985	92 05

TABLE 2-6

FIELD POOL	1	2		3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED						
	10 ³ m ³	frac	frac		10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
GHOST PINE 031-22W4 (CONTINUED)									
UPPER MANNVILLE HHH	64.6	<0.01			0.5		0.5	0.5	
UPPER MANNVILLE LLL	1 190.0	0.10			119.0		119.0	98.9	20.1
UPPER MANNVILLE Q00	136.0	0.10			13.6		13.6	1.4	12.2
UPPER MANNVILLE E2E	129.0	0.10			12.9		12.9	2.2	10.7
UPPER MANNVILLE W2W	162.0	0.05			8.1		8.1	2.9	5.2
UPPER MANNVILLE FFF & KKK	360.0	0.05			18.0		18.0	5.7	12.3
UPPER MANNVILLE A3A	128.0	0.10			12.8		12.8	3.6	9.2
UPPER MANNVILLE D3D	58.0	0.05			2.9		2.9	0.9	2.0
LOWER MANNVILLE B	424.0	0.08			33.9		33.9	29.6	4.3
LOWER MANNVILLE E	115.0	0.15			17.3		17.3	16.0	1.3
LOWER MANNVILLE J	159.0	0.10			15.9		15.9	8.4	7.5
LOWER MANNVILLE K	110.0	0.07			7.7		7.7	7.2	0.5
LOWER MANNVILLE L	1 067.0	0.15			160.0		160.0	120.5	39.5
LOWER MANNVILLE N	88.7	0.15			13.3		13.3	9.9	3.4
LOWER MANNVILLE O	198.0	0.10			19.8		19.8	1.4	18.4
LOWER MANNVILLE U	32.6	<0.03			0.8		0.8	0.8	
LOWER MANNVILLE V	73.0	0.10			7.3		7.3	0.4	6.9
LOWER MANNVILLE KK	97.4	0.10			9.7		9.7	5.6	4.1
LOWER MANNVILLE LL	57.0	0.10			5.7		5.7	1.2	4.5
PEKISKO F	110.0	0.12			13.2		13.2	12.6	0.6
PEKISKO K	305.0	<0.02			3.5		3.5	3.5	
PEKISKO N	202.0	<0.03			4.4		4.4	4.4	
PEKISKO P	77.4	0.10			7.7		7.7	2.9	4.8
FIELD TOTAL	9 673.1				823.0		823.0	518.2	304.8
GIFT 079-11W5									
SLAVE POINT A TOTAL	8 298.0				830.0	1 179.0	2 009.0	889.8	1 119.2
PRIMARY AREA	3 019.0	0.10			302.0		302.0		
WATER FLOOD AREA	5 279.0	0.10	0.23		528.0	1 179.0	1 707.0		
SLAVE POINT C	2 220.0	0.05			111.0		111.0	66.4	44.6
SLAVE POINT D	181.0	0.05			9.1		9.1	5.7	3.4
SLAVE POINT E	469.0	0.05			23.5		23.5	5.8	17.7
SLAVE POINT G	160.0	0.05			8.0		8.0	2.6	5.4
SLAVE POINT H	118.0	0.05			5.9		5.9	4.2	1.7
SLAVE POINT I	292.0	<0.01			0.1		0.1	0.1	
SLAVE POINT J	290.0	0.15			43.5		43.5	26.4	17.1
SLAVE POINT K	202.0	0.15			30.3		30.3	18.1	12.2
GILWOOD A	134.0	<0.03			3.4		3.4	3.4	
GILWOOD D	276.0	0.15			41.4		41.4	29.3	12.1
GILWOOD E	954.0	0.25			239.0		239.0	100.6	138.4
GILWOOD G	238.0	0.20			47.6		47.6	33.0	14.6
GILWOOD H	602.0	0.25			151.0		151.0	102.3	48.7
GILWOOD I	15.8	<0.02			0.3		0.3	0.3	
GILWOOD J	918.0	0.25			230.0		230.0	128.2	101.8
GILWOOD K	193.0	0.25			48.3		48.3	35.7	12.6
GILWOOD L	48.1	0.25			12.0		12.0	2.2	9.8
GILWOOD M	1 110.0	0.25			278.0		278.0	114.4	163.6
GILWOOD N	98.4	0.10			9.8		9.8	8.2	1.6
GILWOOD O	157.0	0.25			39.3		39.3	18.9	20.4
GILWOOD P	360.0	0.25			90.0		90.0	17.7	72.3
GILWOOD R	147.0	0.25			36.8		36.8	4.4	32.4
GILWOOD S	103.0	0.25			25.8		25.8	4.4	21.4
GILWOOD T	109.0	0.25			27.3		27.3		27.3
GRANITE WASH A	72.7	<0.01			0.2		0.2	0.2	
GRANITE WASH B	198.0	<0.02			3.6		3.6	3.5	0.1
GRANITE WASH C	65.0	<0.02			0.8		0.8	0.8	
GRANITE WASH D	47.7	0.20			9.5		9.5	4.8	4.7
GRANITE WASH E	46.2	<0.01			0.2		0.2	0.2	
GRANITE WASH F	86.9	<0.03			2.4		2.4	2.4	
FIELD TOTAL	18 209.8				2 358.1	1 179.0	3 537.1	1 634.0	1 903.1
GILBY 041-03W5									
BELLY RIVER A	286.0	0.07			20.0		20.0	18.8	1.2
BELLY RIVER B	685.0	0.10			68.5		68.5	45.5	23.0
BELLY RIVER C	121.0	<0.01			1.1		1.1	1.1	
BELLY RIVER E	214.0	0.07			15.0		15.0	9.4	5.6
CARDIUM A	170.0	0.12			20.4		20.4	18.3	2.1
CARDIUM D	84.5	0.10			8.5		8.5	0.5	8.0

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
64	1.20	0.150	0.34	0.85	50	858	62	10 444	-670.4	1 546.6	1980	88 12
256	3.46	0.200	0.21	0.85	56	873	50	9 442	-664.0	1 501.2	1986	88 10
64	3.00	0.130	0.35	0.84	60	870	48	10 003	-553.2	1 370.6	1985	87 03 - GPP
64	2.50	0.130	0.27	0.85	56	873	50	9 843	-669.7	1 493.3	1985	88 10 - GPP
32	7.50	0.120	0.29	0.79	78	877	59	9 465	-666.9	1 499.7	1990	91 10
64	5.90	0.160	0.30	0.85	59	870	45	10 379	-635.8	1 472.3	1985	90 11
64	2.00	0.170	0.31	0.85	58	853	47	10 376	-605.3	1 475.2	1980	91 09 - GPP
16	3.30	0.190	0.35	0.89	62	854	39	9 896	-542.0	1 348.4	1987	93 12
64	5.86	0.190	0.30	0.85	58	892	48	10 758	-635.4	1 451.1	1959	86 12 - GPP
65	1.52	0.180	0.25	0.86	51	892	49	10 845	-647.7	1 487.7	1965	87 12 - GPP
128	1.72	0.130	0.34	0.84	62	876	56	10 610	-697.1	1 571.4	1977	79 06 - GPP
64	1.98	0.150	0.32	0.85	62	881	49	11 125	-694.3	1 570.3	1977	89 12 - GPP
128	6.13	0.200	0.20	0.85	70	861	60	10 355	-662.6	1 491.3	1971	87 11
64	3.30	0.100	0.50	0.84	60	861	61	10 334	-658.6	1 509.2	1981	81 08 - GPP
64	3.20	0.170	0.33	0.85	56	873	50	8 442	-675.1	1 502.6	1986	88 10
64	1.00	0.120	0.50	0.85	49	860	45	8 922	-675.2	1 514.5	1987	93 04 - ABAND 92 11
64	1.60	0.120	0.30	0.85	52	869	47	9 580	-667.3	1 494.8	1986	79 03
64	1.70	0.145	0.29	0.87	47	868	62	9 805	-662.6	1 510.9	1988	88 08 - GPP
64	1.50	0.140	0.47	0.80	79	877	56	9 866	-669.9	1 513.1	1988	89 06
32	12.19	0.054	0.40	0.86	62	870	54	10 118	-606.0	1 421.3	1965	88 12 - GPP
64	17.00	0.050	0.30	0.80	91	813	52	10 480	-657.6	1 476.9	1979	85 12 - ABAND 87 05
64	10.50	0.050	0.30	0.86	58	859	40	10 415	-576.3	1 417.1	1981	82 04 - ABAND 89 08
64	2.70	0.070	0.20	0.80	79	877	55	9 607	-766.0	1 651.8	1981	84 02 - GPP
1 762					16	830	64	17 436	-1 118.2	1 769.8	1983	92 10
810	7.03	0.086	0.33	0.92								
952	10.46	0.086	0.33	0.92								
640	7.28	0.084	0.37	0.90	30	851	54	17 378	-1 127.6	1 795.0	1980	92 12 - GPP
64	5.76	0.091	0.40	0.90	15	854	65	16 755	-1 134.9	1 825.5	1984	87 12 - GPP
64	12.60	0.095	0.32	0.90	28	850	56	17 006	-1 126.0	1 796.5	1984	87 12 - GPP
64	6.70	0.080	0.50	0.93	15	835	65	15 838	-1 133.1	1 799.0	1984	87 12 - GPP
64	4.10	0.079	0.37	0.90	30	850	54	17 177	-1 123.2	1 784.0	1985	87 12 - GPP
64	11.40	0.100	0.55	0.89	34	838	50	17 973	-1 155.0	1 865.8	1985	88 12 - ABAND 91 06
64	9.00	0.080	0.30	0.90	29	843	64	17 556	-1 141.7	1 815.2	1981	82 04 - GPP
64	7.70	0.080	0.43	0.90	30	865	54	17 575	-1 144.2	1 826.4	1982	83 04 - GPP
128	1.76	0.110	0.35	0.83	58	841	60	18 307	-1 152.2	1 822.3	1980	85 02
64	3.80	0.180	0.30	0.90	26	841	65	17 649	-1 153.6	1 803.1	1983	84 04 - GPP
256	3.72	0.170	0.29	0.83	56	847	71	18 773	-1 154.4	1 815.1	1983	85 02
32	6.40	0.200	0.30	0.83	62	847	57	18 685	-1 143.4	1 794.3	1984	91 12 - GPP
256	2.38	0.160	0.29	0.87	43	847	56	18 182	-1 168.6	1 844.7	1989	92 05
64	0.50	0.080	0.29	0.87	43	847	54	16 535	-1 156.5	1 830.5	1984	88 12
256	4.00	0.144	0.30	0.89	31	836	59	18 703	-1 177.1	1 866.5	1984	87 12
64	3.50	0.150	0.30	0.82	64	850	63	18 770	-1 203.5	1 908.8	1984	93 12
64	1.10	0.120	0.36	0.89	57	836	64	18 523	-1 171.6	1 827.3	1990	90 07
406	2.53	0.180	0.31	0.87	44	840	60	18 466	-1 164.4	1 826.8	1990	93 12
64	1.70	0.160	0.35	0.87	43	847	56	18 508	-1 169.7	1 849.2	1984	91 02 - GPP
64	2.00	0.190	0.22	0.83	65	822	49	12 937	-1 187.3	1 888.8	1991	91 08
64	6.20	0.180	0.40	0.84	58	831	64	11 844	-1 171.3	1 832.4	1991	91 12
64	2.80	0.170	0.45	0.88	36	845	42	11 780	-1 178.2	1 869.3	1992	92 07
64	1.60	0.150	0.25	0.89	52	829	62	9 425	-1 188.1	1 876.3	1992	93 03
64	2.30	0.150	0.41	0.84	58	831	64	9 514	-1 208.4	1 928.9	1992	93 12
64	1.50	0.150	0.42	0.87	43	854	55	19 108	-1 169.8	1 836.7	1984	84 11 - ABAND 84 11
64	3.30	0.200	0.46	0.87	42	835	56	18 477	-1 197.2	1 876.7	1984	88 12
64	1.20	0.130	0.25	0.87	42	835	56	19 145	-1 158.7	1 826.6	1984	88 12
32	1.70	0.180	0.44	0.87	39	845	65	17 353	-1 167.7	1 838.2	1984	91 03 - GPP
32	1.70	0.150	0.35	0.87	41	870	66	18 371	-1 184.2	1 864.7	1990	91 04 - ABAND 90 07
64	2.00	0.120	0.35	0.87	40	845	60	18 615	-1 207.6	1 906.7	1982	92 08 - ABAND 90 01
129	3.57	0.183	0.60	0.85	57	820	38	7 237	-328.6	1 282.8	1963	75 12 - GPP
192	4.27	0.150	0.36	0.87	51	820	46	7 366	-367.5	1 393.9	1965	89 01 - GPP
16	6.40	0.200	0.32	0.87	68	820	33	8 288	-336.5	1 299.3	1979	92 11 - ABAND 85 01
64	4.96	0.136	0.43	0.87	58	836	29	9 541	-343.9	1 307.6	1979	93 12
170	1.83	0.090	0.20	0.76	106	811	63	17 876	-723.0	1 671.2	1962	87 12 - GPP
64	1.50	0.150	0.15	0.69	140	835	62	19 073	-779.2	1 847.8	1984	85 08

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	103m3	frac	frac	103m3	103m3	103m3	103m3	103m3
GILBY 041-03W5 (CONTINUED)								
CARDIUM E	179.0	0.10		17.9		17.9	14.9	3.0
SECOND WHITE SPECKS A	1 516.0	0.15		227.0		227.0	76.1	150.9
SECOND WHITE SPECKS B	230.0	0.10		23.0		23.0	1.5	21.5
SECOND WHITE SPECKS C	455.0	0.10		45.5		45.5	9.2	36.3
SECOND WHITE SPECKS D	417.0	0.10		41.7		41.7		41.7
SECOND WHITE SPECKS E	142.0	0.10		14.2		14.2	0.2	14.0
VIKING A TOTAL	7 041.0			1 362.0	1 224.0	2 586.0	2 562.5	23.5
PRIMARY AREA	921.0	0.15		138.0		138.0		
WATER FLOOD AREA	6 120.0	0.20	0.20	1 224.0	1 224.0	2 448.0		
VIKING B TOTAL	1 539.0			441.0	183.0	624.0	575.5	48.5
PRIMARY AREA	133.0	0.25		33.3		33.3		
WATER FLOOD AREA	1 406.0	0.29	0.13	408.0	183.0	591.0		
VIKING C	229.0	0.20		45.8		45.8	34.4	11.4
VIKING F	99.8	0.15		15.0		15.0	12.3	2.7
VIKING G	61.5	<0.02		0.9		0.9	0.9	
VIKING H	19.8	0.02		0.4		0.4	0.4	
VIKING J	74.5	<0.01		0.2		0.2	0.2	
VIKING K	50.3	0.15		7.5		7.5	6.4	1.1
VIKING L	32.1	<0.03		0.8		0.8	0.8	
UPPER MANNVILLE J	4 204.0	0.10		420.0		420.0	67.5	352.5
UPPER MANNVILLE K	687.0	0.15		103.0		103.0	13.5	89.5
BASAL MANNVILLE B	8 718.0			953.0	345.0	1 298.0	1 123.5	174.5
TOTAL								
PRIMARY AREA	2 968.0	0.05		148.0		148.0		
WATER FLOOD AREA	5 750.0	0.14	0.06	805.0	345.0	1 150.0		
BASAL MANNVILLE F	28.2	<0.03		0.7		0.7	0.7	
BASAL MANNVILLE G	76.6	<0.01		0.2		0.2	0.2	
BASAL MANNVILLE Q	103.0	<0.01		0.5		0.5	0.5	
BASAL MANNVILLE R	1 700.0	0.05		85.0		85.0	66.6	18.4
BASAL MANNVILLE S	493.0	0.07		34.5		34.5	29.1	5.4
BASAL MANNVILLE X	376.0	<0.01		1.7		1.7	1.7	
BASAL MANNVILLE Y	93.6	<0.01		0.1		0.1	0.1	
BASAL MANNVILLE AA	93.0	0.10		9.3		9.3	1.9	7.4
BASAL MANNVILLE BB	133.0	0.15		20.0		20.0	10.9	9.1
BASAL MANNVILLE DD	105.0	0.10		10.5		10.5	4.7	5.8
BASAL MANNVILLE EE	283.0	0.05		14.2		14.2	2.4	11.8
BASAL MANNVILLE GG	371.0	0.10		37.1		37.1	3.0	34.1
BASAL MANNVILLE HH	126.0	0.05		6.3		6.3	1.1	5.2
BASAL MANNVILLE PP	102.0	0.10		10.2		10.2	0.7	9.5
BASAL MANNVILLE QQ	339.0	0.10		33.9		33.9	2.4	31.5
MANN. JUR & RUN MU #1	1 292.0	0.05		64.6		64.6	55.2	9.4
JURASSIC B TOTAL	12 340.0			1 478.0	2 196.0	3 674.0	2 957.2	716.8
PRIMARY AREA	138.0	0.10		13.8		13.8		
WATER FLOOD AREA	12 200.0	0.12	0.18	1 464.0	2 196.0	3 660.0		
JURASSIC F	1 760.0	0.15	0.25	264.0	442.0	706.0	483.2	222.8
WATER FLOOD								
JURASSIC J	1 042.0	0.20		208.0		208.0	136.5	71.5
JURASSIC L	775.0	0.10		77.5		77.5	33.1	44.4
JURASSIC P	552.0	0.05		27.6		27.6	8.3	19.3
JURASSIC Q	171.0	0.05		8.6		8.6	3.6	5.0
RUNDLE B	175.0	<0.02		2.1		2.1	2.0	0.1
RUNDLE E	138.0	<0.07		8.7		8.7	8.7	
RUNDLE L	300.0	<0.02		5.4		5.4	5.4	
RUNDLE M	135.0	<0.01		0.1		0.1	0.1	
RUNDLE N	67.4	<0.01		0.1		0.1	0.1	
RUNDLE O	311.0	0.05		15.6		15.6	8.1	7.5
RUNDLE R	601.0	0.10		60.1		60.1	12.4	47.7
RUNDLE S	583.0	0.02		11.7		11.7	0.8	10.9
BANFF A	188.0	<0.01		0.1		0.1	0.1	
NISKU A	121.0	<0.02		1.3		1.3	1.3	
NISKU B	100.0	0.05		5.0		5.0	2.7	2.3
NISKU C	136.0	0.12		16.3		16.3	15.4	0.9
NISKU D	129.0	0.10		12.9		12.9	1.8	11.1
D-3 A	169.0	<0.01		1.5		1.5	1.5	
FIELD TOTAL *	52 763.3			6 385.8	4 390.0	10 775.8	8 456.9	2 318.9

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
128	1.72	0.130	0.23	0.81	85	838	55	17 304	-781.0	1 782.5	1985	88 06
192	14.06	0.080	0.10	0.78	96	834	64	21 593	-863.6	1 815.9	1989	93 01 - GPP
64	5.60	0.170	0.41	0.64	170	827	50	21 402	-840.1	1 787.0	1980	91 06
64	15.40	0.080	0.25	0.77	96	826	64	21 510	-853.5	1 800.7	1991	92 01
64	14.10	0.080	0.25	0.77	96	826	64	20 097	-827.9	1 768.8	1959	93 05
32	11.60	0.060	0.17	0.77	96	826	64		-893.7	1 852.3	1977	93 12
6 630					55	834	62	9 838	-823.4	1 753.4	1953	92 12 - GPP
1 024	1.81	0.092	0.35	0.83								
5 606	1.86	0.104	0.32	0.83								
2 451					92	839	68	17 986	-994.8	1 953.0	1961	91 12 - GPP
181	2.00	0.070	0.32	0.77								
2 270	1.62	0.073	0.32	0.77								
255	1.16	0.140	0.29	0.78	92	839	66		-932.3	1 906.9	1956	74 12 - GPP
128	1.35	0.110	0.30	0.75	110	849	66	11 033	-1 015.1	1 973.7	1974	88 12 - GPP
65	1.22	0.140	0.29	0.78	92	849	62	12 606	-905.6	1 908.1	1976	83 12
64	2.50	0.030	0.45	0.75	100	818	83	12 690	-970.7	1 917.6	1980	82 07 - ABAND 87 06
64	1.80	0.110	0.30	0.84	58	834	63	11 860	-864.6	1 831.1	1985	89 12 - ABAND 90 03
64	1.80	0.070	0.20	0.78	90	837	72	11 311	-1 049.8	2 044.9	1985	90 12 - GPP
64	0.80	0.105	0.35	0.92	49	850	60	8 435	-792.2	1 671.6	1985	91 10 - ABAND 90 10
616	8.78	0.120	0.18	0.79	90	886	66		-930.3	1 841.1	1992	93 06
128	6.07	0.130	0.15	0.80	110	869	62	15 348	-894.3	1 824.2	1992	93 11
1 283					71	892	69	15 935	-1 195.6	2 144.4	1957	91 12 - GPP
575	6.06	0.140	0.22	0.78								
708	9.40	0.142	0.22	0.78								
41	0.91	0.150	0.30	0.72	71	892	68	15 694	-1 199.1	2 147.0	1966	88 12 - GPP
65	2.13	0.100	0.30	0.79	91	892	53	15 330	-1 073.7	2 033.5	1966	68 02 - ABAND 70 12
64	1.83	0.140	0.20	0.78	99	904	52	14 845	-1 010.4	1 887.0	1974	75 12 - ABAND 76 06
128	13.84	0.136	0.15	0.83	66	887	60	14 429	-1 185.7	2 135.9	1976	90 04 - GPP
128	5.20	0.130	0.27	0.78	98	829	56	15 564	-1 007.5	1 907.1	1971	81 12 - GPP
64	9.50	0.110	0.28	0.78	180	889	52	17 077	-1 266.3	2 192.3	1979	79 08
64	2.10	0.130	0.33	0.80	87	890	79	18 601	-1 159.4	2 126.4	1981	84 01 - ABAND 84 05
64	1.90	0.140	0.30	0.78	95	898	59	18 224	-1 103.0	2 089.0	1986	86 12 - GPP
64	2.35	0.135	0.16	0.78	87	890	76	18 488	-1 107.9	2 094.1	1979	86 12 - GPP
64	2.80	0.100	0.23	0.76	100	859	67	14 275	-1 041.0	1 990.8	1971	88 01 - GPP
32	12.10	0.120	0.22	0.78	90	892	69	15 947	-1 195.8	2 159.1	1987	91 12
128	4.14	0.130	0.22	0.69	135	812	66	14 768	-1 153.3	2 114.7	1987	93 05 - GPP
32	6.00	0.120	0.31	0.79	91	890	68	15 729	-1 004.2	1 914.0	1988	89 12
64	1.70	0.140	0.14	0.78	91	879	69	15 980	-955.5	1 865.9	1992	92 12 - GPP
64	6.00	0.130	0.15	0.80	90	891	75	16 244	-1 255.1	2 301.2	1992	93 03
192	7.70	0.140	0.22	0.80	86	892	71	16 063	-1 165.6	2 125.2	1955	84 12 - GPP
1 893					86	887	71	16 114	-1 204.9	2 149.6	1958	86 05
64	3.06	0.110	0.20	0.80								
1 829	6.40	0.167	0.22	0.80								
404	4.97	0.146	0.25	0.80	90	887	66	16 044	-1 211.9	2 164.8	1961	68 05 - GPP
237	4.20	0.170	0.23	0.80	80	887	71	14 025	-1 193.4	2 161.6	1973	93 07 - GPP
218	2.84	0.230	0.32	0.80	83	896	70	13 826	-1 190.9	2 154.0	1982	91 12 - GPP
64	10.50	0.130	0.20	0.79	91	891	68	15 470	-1 214.3	2 178.6	1989	90 12
69	2.09	0.200	0.26	0.80	83	897	70	8 833	-1 196.0	2 148.9	1991	92 06
101	4.79	0.062	0.28	0.81	86	898	71	15 903	-1 212.7	2 148.1	1958	64 04
32	6.83	0.100	0.22	0.81	73	898	71	16 268	-1 230.9	2 178.2	1962	63 10
65	7.62	0.100	0.25	0.81	71	898	73	16 261	-1 212.8	2 154.9	1974	88 12 - ABAND 92 10
64	4.80	0.068	0.20	0.81	74	881	62	15 504	-1 068.9	2 027.5	1976	82 12 - ABAND 83 01
64	2.50	0.080	0.35	0.81	74	881	66	16 071	-1 269.7	2 275.8	1979	88 12 - ABAND 89 10
64	8.00	0.100	0.25	0.81	116	887	54	21 160	-1 285.5	2 251.8	1979	83 12 - GPP
64	20.70	0.070	0.20	0.81	71	894	71	16 999	-1 301.1	2 279.2	1991	91 07
50	25.00	0.080	0.28	0.81	71	894	71		-1 964.0	3 009.9	1992	93 04 - GPP
64	5.00	0.120	0.30	0.70	150	753	57	15 122	-1 112.6	2 075.0	1984	85 07 - ABAND 91 09
64	9.00	0.050	0.40	0.70	177	817	51	18 639	-1 478.9	2 478.5	1979	83 12 - ABAND 84 07
16	20.00	0.053	0.18	0.72	120	830	82	18 202	-1 426.3	2 394.5	1984	92 08 - GPP
32	15.40	0.050	0.20	0.69	125	815	80	18 808	-1 447.0	2 383.7	1988	92 08
32	12.00	0.060	0.20	0.70	143	823	67	18 483	-1 459.4	2 437.0	1990	91 12
64	7.50	0.070	0.25	0.67	59	806	83	11 225	-1 507.3	2 475.5	1984	88 12

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
GILWOOD 073-18W5								
GILWOOD A	442.0	0.30		133.0		133.0	105.6	27.4
GILWOOD B	144.0	0.20		28.8		28.8	21.4	7.4
GILWOOD C	217.0	0.25		54.2		54.2	14.9	39.3
GILWOOD D	110.0	<0.02		1.3		1.3	1.3	
GILWOOD E	254.0	0.20		50.8		50.8	23.7	27.1
GILWOOD F	212.0	0.20		42.4		42.4	18.9	23.5
GILWOOD G	73.8	<0.02		1.3		1.3	1.3	
FIELD TOTAL	1 452.8			311.8		311.8	187.1	124.7
GIROUX LAKE 066-21W5								
VIKING A WATER FLOOD	843.0	<0.19	0.14	155.0	118.0	273.0	232.6	40.4
VIKING D	270.0	0.10		27.0		27.0	18.6	8.4
GETHING A	140.0	<0.01		1.3		1.3	1.3	
GETHING C	113.0	<0.04		4.1		4.1	4.1	
FIELD TOTAL	1 366.0			187.4	118.0	305.4	256.6	48.8
GIROUXVILLE EAST 076-22W5								
DEBOLT B	225.0	0.10		22.5		22.5	9.4	13.1
DEBOLT C	139.0	0.15		20.9		20.9	18.4	2.5
GILWOOD A	223.0	<0.03		5.3		5.3	5.3	
GILWOOD B	200.0	0.30		60.0		60.0	36.5	23.5
GILWOOD C	118.0	0.20		23.6		23.6	5.0	18.6
GRANITE WASH A	198.0	0.30		59.4		59.4	38.1	21.3
FIELD TOTAL	1 103.0			191.7		191.7	112.7	79.0
GLADYS 020-27W4								
UPPER MANNVILLE A	92.2	<0.02		1.1		1.1	1.1	
LOWER MANNVILLE A	2 708.0	0.03		81.2		81.2	52.5	28.7
LOWER MANNVILLE D	99.7	0.05		5.0		5.0	0.5	4.5
LOWER MANNVILLE E	82.4	0.10		8.2		8.2	0.2	8.0
LOWER MANNVILLE B&C	77.6	<0.01		0.4		0.4	0.4	
DETRITAL A	138.0	<0.02		2.3		2.3	2.3	
RUNDLE C	1 700.0	0.10		170.0		170.0	115.3	54.7
RUNDLE E	419.0	<0.01		0.2		0.2	0.2	
FIELD TOTAL *	5 316.9			268.4		268.4	172.5	95.9
GLEICHEN 022-21W4								
UPPER MANNVILLE A	47.2	<0.03		1.1		1.1	1.1	
UPPER MANNVILLE B	44.1	0.04		1.8		1.8	1.8	
FIELD TOTAL	91.3			2.9		2.9	2.9	
GLEN PARK 049-27W4								
GLAUCONITIC A	194.0	<0.18		34.5		34.5	34.5	
GLAUCONITIC B	333.0	0.15		50.0		50.0	44.4	5.6
D-2 A	304.0	0.07		21.3		21.3	21.3	
D-3 A	4 664.0	0.72		3 358.0		3 358.0	3 229.9	128.1
D-3 B	167.0	0.50		83.5		83.5	22.5	61.0
FIELD TOTAL	5 662.0			3 547.3		3 547.3	3 352.6	194.7
GOLD CREEK 068-06W6								
CHARLIE LAKE C	84.9	0.15		12.7		12.7	9.5	3.2
CHARLIE LAKE D	182.0	0.10		18.2		18.2	4.2	14.0
CHARLIE LAKE E	434.0	0.10		43.4		43.4	8.7	34.7
CHARLIE LAKE B & DOIG D	410.0	0.05		20.5		20.5	2.3	18.2
DOIG A	77.0	0.15		11.6		11.6	1.1	10.5
DOIG C	294.0	0.05		14.7		14.7	0.2	14.5
FIELD TOTAL	1 481.9			121.1		121.1	26.0	95.1
GOLDEN 087-14W5								
SLAVE POINT A	5 000.0	0.55		2 750.0		2 750.0	2 503.1	246.9
SLAVE POINT B	352.0	0.10		35.2		35.2	7.9	27.3
SLAVE POINT C	139.0	0.10		13.9		13.9	2.1	11.8
GRANITE WASH A	307.0	<0.03		8.1		8.1	8.1	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
243	2.13	0.150	0.36	0.89	36	834	86	25 941	-1 792.5	2 471.3	1954	86 12 - GPP
32	6.00	0.140	0.40	0.89	36	838	86	25 803	-1 809.6	2 524.6	1984	91 12 - GPP
64	4.70	0.133	0.39	0.89	36	834	86	26 288	-1 808.6	2 534.5	1987	87 09 - GPP
64	3.03	0.107	0.39	0.87	38	840	64	26 402	-1 825.1	2 558.3	1985	92 10
128	2.62	0.147	0.42	0.89	36	935	86	25 354	-1 769.3	2 425.6	1987	89 03 - GPP
64	4.20	0.150	0.41	0.89	36	835	86	25 729	-1 771.2	2 431.7	1988	89 02
64	1.80	0.144	0.50	0.89	36	835	86	25 400	-1 767.1	2 442.1	1988	92 06 - ABAND 92 03
646	1.61	0.138	0.30	0.84	71	834	56	11 705	-627.0	1 385.8	1964	91 06 - GPP
192	1.33	0.200	0.37	0.84	71	834	56	11 255	-625.4	1 329.5	1985	88 06 - GPP
64	2.50	0.130	0.25	0.90	29	927	59	15 645	-961.7	1 691.4	1979	79 11
64	1.85	0.160	0.32	0.88	50	922	71	15 910	-1 008.1	1 741.4	1978	88 12 - GPP
64	3.80	0.160	0.35	0.89	38	826	41	9 314	-459.3	1 118.9	1982	86 02 - GPP
100	1.80	0.150	0.42	0.89	38	826	41	9 411	-471.9	1 077.5	1988	90 12 - GPP
64	3.59	0.158	0.31	0.89	42	831	66	26 723	-1 876.0	2 444.8	1987	91 04 - ABAND 91 11
64	4.30	0.132	0.36	0.86	40	827	78	27 155	-1 897.3	2 459.5	1988	89 08 - GPP
64	2.35	0.150	0.40	0.87	39	813	77	27 147	-1 895.6	2 451.6	1990	91 04
64	3.80	0.180	0.48	0.87	36	820	76	26 715	-1 871.4	2 445.4	1985	86 01 - GPP
64	2.00	0.120	0.25	0.80	80	852	48	17 334	-931.1	2 023.5	1979	82 08
192	22.39	0.120	0.30	0.75	112	849	54	16 919	-972.1	2 057.3	1978	83 12 - GPP
64	2.50	0.140	0.50	0.89	27	910	80	18 145	-958.6	2 026.7	1989	89 10
64	2.45	0.120	0.40	0.73	118	841	64	16 805	-952.5	2 007.3	1989	90 07
64	2.10	0.110	0.30	0.75	112	830	54	16 658	-987.2	2 068.6	1978	82 12
64	4.00	0.120	0.40	0.75	112	840	54	17 063	-974.3	2 080.1	1978	84 12
320	13.00	0.080	0.30	0.73	102	849	56	19 234	-974.8	2 066.5	1977	80 05 - GPP
64	12.80	0.120	0.40	0.71	140	820	64	16 259	-916.2	1 988.5	1978	82 12 - ABAND 83 09
64	1.30	0.140	0.50	0.81	82	841	43	10 960	-512.9	1 462.0	1980	84 12 - ABAND 83 11
64	1.70	0.100	0.50	0.81	72	838	43	10 865	-526.2	1 396.4	1979	89 12
77	2.74	0.149	0.26	0.83	60	881	59	13 356	-652.0	1 407.8	1953	61 09 - ABAND 71 05
82	3.64	0.170	0.20	0.82	44	881	60	7 286	-663.2	1 428.8	1965	84 12 - GPP
239	4.63	0.047	0.20	0.73	113	820	67	13 347	-932.2	1 691.2	1952	64 04 - GPP
173	39.32	0.097	0.07	0.76	106	834	74	15 357	-1 152.2	1 909.7	1951	73 05 - GPP
12	20.80	0.110	0.20	0.76	99	836	74	13 450	-1 159.2	1 907.6	1983	92 10 - GPP
64	3.00	0.080	0.30	0.79	100	795	75	19 599	-1 457.5	2 185.0	1984	90 12
64	3.89	0.125	0.27	0.80	100	827	74	20 517	-1 485.0	2 143.0	1985	86 09 - GPP
64	7.20	0.150	0.14	0.73	114	816	85	17 958	-1 311.8	1 961.0	1990	91 07
64	5.90	0.160	0.15	0.80	100	815	75	13 528	-1 439.7	2 109.0	1983	93 11 - GPP
64	1.80	0.110	0.24	0.80	78	820	74	21 080	-1 497.9	2 155.9	1985	86 03 - GPP
64	8.97	0.100	0.36	0.80	68	824	74	19 417	-1 452.5	2 136.1	1984	93 12 - GPP
1 497	6.01	0.086	0.29	0.91	32	829	38	16 745	-987.1	1 596.8	1971	92 12 - GPP
64	8.50	0.090	0.21	0.91	30	829	38	15 738	-996.0	1 581.3	1983	88 01 - GPP
64	6.76	0.060	0.42	0.92	30	829	38	15 898	-994.4	1 584.7	1989	90 11
64	5.80	0.112	0.23	0.96	35	835	40	16 508	-970.0	1 560.4	1971	90 12 - GPP

TABLE 2-6

FIELD POOL	1 INITIAL VOLUME IN PLACE 10 ³ m ³	2 3		4 5		6	7	8
		RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 10 ³ m ³	REMAINING ESTABLISHED RESERVES 10 ³ m ³
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
		frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³		
GOLDEN 087-14W5 (CONTINUED)								
FIELD TOTAL	5 798.0			2 807.2		2 807.2	2 521.2	286.0
GOLDEN SPIKE 051-27W4								
BLAIRMORE E	787.0	0.05		39.4		39.4	4.5	34.9
UPPER MANNVILLE A	47.9	<0.01		0.3		0.3	0.3	
UPPER MANNVILLE C	228.0	0.10		22.8		22.8	10.9	11.9
UPPER MANNVILLE D	189.0	0.05		9.5		9.5	8.0	1.5
D-2 A TOTAL	2 804.0			309.0	152.0	461.0	395.4	65.6
PRIMARY AREA	624.0	0.11		68.6		68.6		
WATER FLOOD AREA	2 180.0	0.11	0.07	240.0	152.0	392.0		
D-2 B	356.0	0.15		53.4		53.4	50.0	3.4
D-3 A TOTAL	50 180.0			26 580.0	4 070.0	30 650.0	28 519.3	2 130.7
PRIMARY AREA	575.0	0.51		293.0		293.0		
SOLVENT FLOOD AREA	0.0			0.0	1 590.0	1 590.0		
GAS FLOOD AREA	49 600.0	0.53	0.05	26 290.0	2 480.0	28 770.0		
D-3 B	683.0	0.40		273.0		273.0	253.8	19.2
D-3 C	425.0	0.46		196.0		196.0	189.9	6.1
FIELD TOTAL	55 699.9			27 483.4	4 222.0	31 705.4	29 432.1	2 273.3
GOODWIN 059-13W5								
BASAL QUARTZ A	189.0	0.10		18.9		18.9	13.1	5.8
FIELD TOTAL	189.0			18.9		18.9	13.1	5.8
GOOSE RIVER 067-18W5								
D-2 A	299.0	<0.01		0.9		0.9	0.9	
BEAVERHILL LAKE A	21 000.0			3 358.0	5 560.0	8 918.0	7 938.1	979.9
TOTAL								
SOLVENT FLOOD AREA	10 800.0	<0.16	0.29	1 726.0	3 214.0	4 940.0		
WATER FLOOD AREA	10 200.0	0.16	0.23	1 632.0	2 346.0	3 978.0		
BEAVERHILL LAKE B	167.0	0.10		16.7		16.7	13.8	2.9
FIELD TOTAL	21 466.0			3 375.6	5 560.0	8 935.6	7 952.8	982.8
GORDONDALE 079-10W6								
CHARLIE LAKE A	123.0	<0.01		1.1		1.1	1.1	
CHARLIE LAKE B	68.8	<0.01		0.4		0.4	0.4	
CHARLIE LAKE C	187.0	0.10		18.7		18.7	6.0	12.7
HALFWAY A	149.0	0.05		7.5		7.5	2.9	4.6
HALFWAY B	985.0	0.10		98.5		98.5	33.0	65.5
HALFWAY F	38.2	0.15		5.7		5.7	4.5	1.2
HALFWAY I	361.0	0.15		54.2		54.2	35.2	19.0
HALFWAY K	1 733.0	0.10		173.0		173.0	111.7	61.3
HALFWAY M	437.0	0.15		65.6		65.6	29.2	36.4
HALFWAY C & DOIG A	2 638.0	0.10		264.0		264.0	50.9	213.1
DOIG B	203.0	0.10		20.3		20.3		20.3
FIELD TOTAL	6 923.0			709.0		709.0	274.9	434.1
GRANDE PRAIRIE 073-06W6								
CHARLIE LAKE B	122.0	0.15		18.3		18.3	16.4	1.9
CHARLIE LAKE C	74.0	0.10		7.4		7.4	5.4	2.0
CHARLIE LAKE D	185.0	<0.01		1.3		1.3	1.3	
CHARLIE LAKE E	81.2	0.20		16.2		16.2	13.7	2.5
HALFWAY A TOTAL	5 386.0			630.0	195.0	825.0	497.0	328.0
PRIMARY AREA	1 704.0	0.05		90.3		90.3		
GAS FLOOD AREA	3 682.0	0.14	0.05	540.0	195.0	735.0		
HALFWAY F	11.4	0.10		1.1		1.1	0.3	0.8
HALFWAY H	130.0	0.10		13.0		13.0	2.8	10.2
HALFWAY I	64.0	0.02		1.3		1.3	0.6	0.7
HALFWAY J	66.3	0.10		6.6		6.6	0.4	6.2
HALFWAY K	144.0	0.10		14.4		14.4	6.1	8.3
HALFWAY L	37.5	<0.02		0.4		0.4	0.4	
HALFWAY M	201.0	0.10		20.1		20.1	0.4	19.7
HALFWAY N	169.0	0.10		16.9		16.9	1.3	15.6
HALFWAY P	177.0	0.05		8.9		8.9	2.7	6.2
HALFWAY R	42.5	0.10		4.3		4.3	0.3	4.0
FIELD TOTAL	6 890.9			760.2	195.0	955.2	549.1	406.1

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
64	12.40	0.130	0.07	0.82	70	845	51	10 344	-619.1	1 327.7	1989	90 08
16	3.60	0.160	0.35	0.80	60	905	50	11 360	-555.4	1 269.5	1976	84 03 - ABAND 87 10
64	6.50	0.120	0.45	0.83	58	881	45	11 921	-592.4	1 300.8	1983	89 05 - GPP
64	3.70	0.148	0.35	0.83	82	882	57	12 006	-620.2	1 326.7	1985	89 05 - GPP
769					87	839	61	12 270	-831.7	1 542.9	1952	93 12 - GPP
160	12.66	0.052	0.21	0.75								
609	9.85	0.057	0.15	0.75								
173	3.93	0.078	0.14	0.78	87	839	61	12 527	-847.5	1 556.2	1951	73 12 - GPP
614					70	839	60	14 583	-1 011.7	1 724.6	1949	93 12 - GPP
24	38.71	0.087	0.11	0.80								SF TERMINATED 76 02
590	135.71	0.087	0.11	0.80								
231	6.10	0.068	0.12	0.81	73	839	77	14 429	-1 099.6	1 810.5	1950	86 12 - GPP
158	5.82	0.068	0.15	0.80	73	839	67	14 569	-1 116.5	1 827.5	1951	93 12 - GPP
64	5.26	0.120	0.40	0.78	90	860	61	13 903	-873.8	1 653.8	1973	85 11
65	9.14	0.080	0.15	0.74	113	825	94	28 547	-1 619.2	2 372.4	1965	71 05 - ABAND 69 08
3 472					99	820	110	29 336	-2 018.5	2 795.5	1963	91 08 - GPP
1 250	17.58	0.082	0.19	0.74								
2 222	9.34	0.082	0.19	0.74								
130	3.66	0.060	0.24	0.77	99	820	104	36 257	-1 960.8	2 782.8	1965	67 02 - GPP
64	5.10	0.090	0.44	0.75	123	824	58	14 996	-946.6	1 720.6	1988	88 10 - ABAND 90 07
32	1.82	0.175	0.10	0.75	123	845	69	13 841	-784.9	1 543.6	1988	93 12 - ABAND 93 06
64	3.20	0.140	0.13	0.75	123	827	69	14 468	-821.9	1 597.6	1990	91 07
65	4.88	0.090	0.27	0.72	129	815	67	16 969	-932.7	1 747.1	1976	83 01
350	5.19	0.103	0.35	0.81	76	830	66	17 126	-1 050.3	1 819.8	1979	91 12
64	2.15	0.065	0.39	0.70	130	814	60	10 988	-844.9	1 638.4	1985	88 12 - GPP
128	4.09	0.150	0.37	0.73	175	806	60	15 764	-942.7	1 743.7	1986	89 08
1 690	2.02	0.094	0.25	0.72	112	814	70	15 175	-826.8	1 598.6	1984	90 06 - GPP
128	3.26	0.175	0.17	0.72	141	805	70	15 272	-867.2	1 644.7	1988	89 12
1 190	3.91	0.100	0.30	0.81	76	832	66	16 632	-1 071.0	1 876.3	1980	88 07
32	9.60	0.100	0.12	0.75	130	787	67	14 136	-880.4	1 655.7	1988	93 04
99	1.70	0.120	0.10	0.67	144	835	58	19 213	-1 220.3	1 921.5	1984	88 12 - GPP
64	2.10	0.106	0.20	0.65	168	827	64	19 216	-1 212.5	1 925.5	1979	80 01 - GPP
64	3.90	0.120	0.12	0.70	140	823	68	19 229	-1 207.4	1 947.7	1985	89 12
80	1.30	0.120	0.07	0.70	122	840	72	19 779	-1 287.1	1 957.7	1983	90 12 - GPP
1 465					129	798	73	16 870	-1 188.4	1 895.4	1982	90 08
590	4.90	0.100	0.17	0.71								
875	7.00	0.102	0.17	0.71								
64	1.00	0.050	0.50	0.71	129	797	73	15 204	-1 200.0	1 904.6	1983	84 01
64	3.81	0.107	0.30	0.71	129	825	73	15 959	-1 210.1	1 921.4	1984	89 12
32	2.70	0.120	0.13	0.71	129	797	73	16 994	-1 211.5	1 922.8	1985	93 12
64	2.00	0.090	0.19	0.71	129	807	73	17 554	-1 275.1	1 962.0	1985	85 10
64	4.51	0.110	0.36	0.71	129	797	73	16 426	-1 172.5	1 892.3	1984	85 08
64	2.00	0.055	0.18	0.65	160	826	65	18 642	-1 262.2	1 988.3	1985	92 12 - ABAND 92 08
64	5.74	0.100	0.23	0.71	129	798	73	15 748	-1 182.0	1 876.9	1988	88 12
64	3.67	0.119	0.15	0.71	129	798	73	15 789	-1 179.3	1 861.3	1988	89 05
64	4.73	0.110	0.25	0.71	129	798	73	16 287	-1 154.7	1 885.0	1990	91 12 - GPP
64	1.00	0.110	0.15	0.71	129	797	73	17 567	-1 276.9	1 954.9	1990	91 06 - GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
GREENCOURT EAST 059-06W5								
VIKING A	58.9	<0.01		0.4		0.4	0.3	0.1
VIKING B	28.1	<0.01		0.2		0.2	0.2	
FIELD TOTAL *	87.0			0.6		0.6	0.5	0.1
GROAT 057-15W5								
CARDIUM A	188.0	0.10		18.8		18.8	0.1	18.7
FIELD TOTAL	188.0			18.8		18.8	0.1	18.7
GROUARD 075-15W5								
GILWOOD A	93.5	0.25		23.4		23.4	13.1	10.3
FIELD TOTAL	93.5			23.4		23.4	13.1	10.3
GUNN 056-03W5								
LOWER MANNVILLE A	158.0	<0.01		1.4		1.4	1.4	
FIELD TOTAL *	158.0			1.4		1.4	1.4	
HACKETT 036-18W4								
UPPER MANNVILLE A	1 150.0	0.09		103.0		103.0	93.8	9.2
UPPER MANNVILLE D	238.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL	1 388.0			103.1		103.1	93.9	9.2
HALKIRK 038-16W4								
UPPER MANNVILLE B	174.0	0.10		17.4		17.4	2.9	14.5
UPPER MANNVILLE D	2 000.0	0.17	0.31	340.0	620.0	960.0	455.5	504.5
WATER FLOOD								
UPPER MANNVILLE E	202.0	0.10		20.2		20.2	6.0	14.2
UPPER MANNVILLE G	140.0	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE I	5 742.0			976.0	1 307.0	2 283.0	1 577.1	705.9
TOTAL								
PRIMARY AREA	59.0	0.17		10.0		10.0		
WATER FLOOD AREA	5 683.0	0.17	0.23	966.0	1 307.0	2 273.0		
UPPER MANNVILLE J	960.0	0.10		96.0		96.0	31.4	64.6
UPPER MANNVILLE K	323.0	0.10		32.3		32.3	24.7	7.6
UPPER MANNVILLE N	534.0	0.20		107.0		107.0	11.2	95.8
UPPER MANNVILLE O	39.9	0.10		4.0		4.0	0.2	3.8
UPPER MANNVILLE Q	1 535.0	0.20		307.0		307.0	30.9	276.1
UPPER MANNVILLE R	2 221.0	0.15		333.0		333.0	165.2	167.8
UPPER MANNVILLE S	76.0	0.10		7.6		7.6	0.4	7.2
LOWER MANNVILLE F	1 160.0	0.10		116.0		116.0	69.4	46.6
LOWER MANNVILLE G	32.0	0.15		4.8		4.8	3.5	1.3
LOWER MANNVILLE J	300.0	0.20		60.0		60.0	51.3	8.7
LOWER MANNVILLE L	108.0	0.10		10.8		10.8	8.6	2.2
LOWER MANNVILLE M	115.0	0.10		11.5		11.5	4.3	7.2
LOWER MANNVILLE N	32.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE O	43.4	<0.02		0.7		0.7	0.7	
LOWER MANNVILLE P	137.0	0.15		20.6		20.6	2.7	17.9
LOWER MANNVILLE Q	218.0	0.10		21.8		21.8	2.5	19.3
CAMROSE A	203.0	<0.02		3.2		3.2	3.2	
CAMROSE B	152.0	<0.08		11.1		11.1	11.1	
CAMROSE C	100.0	0.15		15.0		15.0	10.3	4.7
CAMROSE D	85.2	<0.01		0.4		0.4	0.4	
FIELD TOTAL	16 632.5			2 516.7	1 927.0	4 443.7	2 473.8	1 969.9
HALKIRK EAST 040-13W4								
VIKING A	273.0	0.10		27.3		27.3	12.0	15.3
VIKING B	231.0	0.10		23.1		23.1	14.4	8.7
VIKING C	52.9	<0.01		0.2		0.2	0.2	
VIKING E	91.2	0.10		9.1		9.1	5.5	3.6
VIKING F	86.4	<0.01		0.1		0.1	0.1	
VIKING G	49.1	<0.01		0.3		0.3	0.3	
GLAUCONITIC A	186.0	<0.01		1.8		1.8	1.8	
GLAUCONITIC B	206.0	<0.01		0.3		0.3	0.3	
GLAUCONITIC C	232.0	<0.01		1.9		1.9	1.9	
GLAUCONITIC D	332.0	0.10		33.2		33.2	6.2	27.0
OSTRACOD A	50.7	0.10		5.1		5.1	1.0	4.1

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
32	3.00	0.130	0.41	0.80	58	832	55	7 920	-350.5	1 023.2	1980	92 12
64	1.30	0.110	0.59	0.75	115	898	37	7 162	-351.5	1 013.2	1989	92 03 - ABAND 91 09
64	6.00	0.100	0.30	0.70	140	760	45	10 279	-596.4	1 687.0	1984	85 03
64	1.36	0.170	0.29	0.89	36	835	86	23 147	-1 550.0	2 138.3	1988	88 12 - GPP
64	3.10	0.190	0.40	0.70	112	827	60	10 436	-613.9	1 348.2	1978	84 01 - ABAND 86 10
425	3.89	0.180	0.54	0.84	44	871	39	8 326	-337.4	1 184.8	1974	86 02 - GPP
64	3.00	0.220	0.33	0.84	54	871	40	8 769	-370.6	1 236.9	1984	85 07 - ABAND 86 12
176	0.87	0.210	0.28	0.75	51	874	35	9 848	-375.5	1 188.2	1977	93 08 - GPP
159	7.77	0.250	0.21	0.82	64	856	45	8 922	-369.0	1 193.7	1984	90 09 - GPP
64	3.80	0.167	0.38	0.80	55	873	38	8 237	-364.4	1 194.5	1984	85 10 - GPP
64	2.90	0.190	0.47	0.75	110	870	30	8 267	-348.3	1 185.5	1984	85 10 - ABAND 86 10
691					66	868	37	9 467	-401.0	1 241.3	1984	89 12
32	1.40	0.220	0.27	0.82								
659	6.58	0.222	0.28	0.82								- GPP
205	3.80	0.220	0.30	0.80	64	868	48	9 425	-390.0	1 207.9	1985	87 08 - GPP
64	4.50	0.200	0.30	0.80	61	867	35	9 461	-394.7	1 231.5	1986	86 08
105	3.50	0.230	0.23	0.82	67	847	48	9 860	-424.6	1 269.9	1991	92 11
16	1.50	0.250	0.19	0.82	74	865	46	10 200	-425.7	1 269.6	1991	92 04 - GPP
235	5.27	0.210	0.28	0.82	67	846	48	9 872	-432.6	1 268.7	1991	92 11
320	4.60	0.230	0.20	0.82	67	846	48	9 589	-417.7	1 260.5	1991	92 09
16	5.00	0.190	0.39	0.82	67	846	48		-370.6	1 210.5	1992	93 01
448	3.39	0.180	0.47	0.80	98	843	37	9 018	-377.2	1 204.3	1974	84 05 - GPP
64	0.92	0.160	0.60	0.85	64	852	48	8 801	-347.5	1 180.0	1977	91 12 - GPP
191	1.29	0.220	0.31	0.80	74	867	37	8 941	-403.0	1 241.7	1984	88 12
64	2.20	0.160	0.40	0.80	66	868	36	9 054	-392.8	1 228.8	1986	87 01 - GPP
64	2.00	0.160	0.30	0.80	74	867	37	9 187	-387.3	1 225.1	1986	87 02 - GPP
32	1.40	0.140	0.40	0.85	64	867	48	9 118	-416.7	1 251.5	1987	87 07
16	2.80	0.170	0.33	0.85	64	852	48	9 932	-414.7	1 256.1	1987	92 10
64	2.00	0.180	0.30	0.85	64	854	48	8 848	-422.5	1 263.5	1986	86 12
64	2.80	0.220	0.35	0.85	64	852	48	9 217	-402.2	1 219.2	1990	91 07
64	7.00	0.070	0.19	0.80	36	868	53	9 830	-577.1	1 395.5	1984	89 12 - ABAND 92 05
32	9.10	0.075	0.13	0.80	36	878	53	10 248	-587.3	1 431.1	1984	89 12 - ABAND 89 10
22	10.36	0.061	0.20	0.90	84	882	53	9 982	-571.8	1 377.2	1983	92 04 - GPP
64	3.40	0.067	0.35	0.90	36	845	42	9 668	-532.4	1 369.0	1985	89 12 - ABAND 92 08
192	1.55	0.170	0.42	0.93	26	850	33	6 008	-113.9	829.6	1982	82 11 - GPP
192	1.42	0.160	0.43	0.93	27	850	33	6 624	-119.0	836.8	1982	86 11 - GPP
64	0.90	0.170	0.40	0.90	37	854	33	5 848	-114.8	828.5	1982	82 11
64	2.00	0.150	0.50	0.95	24	858	33	5 599	-115.2	834.5	1982	83 05 - GPP
64	2.00	0.150	0.50	0.90	37	858	33	5 978	-114.7	834.2	1982	83 05 - ABAND 89 08
64	1.00	0.150	0.45	0.93	22	838	38	5 696	-115.7	829.8	1984	89 12 - ABAND 89 10
32	5.76	0.160	0.30	0.90	37	880	35	7 541	-302.8	1 030.9	1983	92 11
128	2.00	0.190	0.47	0.80	52	855	39	7 292	-263.0	973.3	1984	92 10
64	3.00	0.200	0.33	0.90	38	875	37	7 572	-262.0	969.8	1986	87 05 - ABAND 90 04
64	3.90	0.190	0.24	0.92	35	875	34	7 359	-270.9	987.0	1988	88 12 - GPP
32	1.00	0.240	0.32	0.97	30	847	36	5 992	-262.6	973.1	1991	92 11 - GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
HALKIRK EAST 040-13W4 (CONTINUED)								
ELLERSLIE A	1 254.0	0.30		376.0		376.0	203.9	172.1
ELLERSLIE B	679.0	0.40		272.0		272.0	241.9	30.1
ELLERSLIE C	279.0	0.10		27.9		27.9	0.8	27.1
ELLERSLIE D	124.0	0.10		12.4		12.4	0.6	11.8
ELLERSLIE E	1 025.0	0.40		410.0		410.0	260.2	149.8
ELLERSLIE F	947.0	0.40		379.0		379.0	291.6	87.4
ELLERSLIE G	528.0	0.25		132.0		132.0	88.1	43.9
ELLERSLIE H	52.0	0.25		13.0		13.0	8.8	4.2
ELLERSLIE I	410.0	0.45		185.0		185.0	165.9	19.1
ELLERSLIE J	106.0	0.30		31.8		31.8	23.5	8.3
ELLERSLIE K	3.3	0.02		0.1		0.1	0.1	
ELLERSLIE L	100.0	0.40		40.0		40.0	10.6	29.4
ELLERSLIE M	126.0	0.10		12.6		12.6	2.7	9.9
ELLERSLIE O	49.1	0.30		14.7		14.7	3.9	10.8
ELLERSLIE Q	158.0	<0.07		9.7		9.7	9.7	
FIELD TOTAL	7 630.7			2 018.6		2 018.6	1 356.0	662.6
HAMELIN CREEK 080-06W6								
TRIASSIC A	728.0	0.12		87.4		87.4	75.6	11.8
TRIASSIC B	173.0	0.10		17.3		17.3	5.1	12.2
FIELD TOTAL	901.0			104.7		104.7	80.7	24.0
HANLAN 045-17W5								
BELLY RIVER A	202.0	0.15		30.3		30.3		30.3
FIELD TOTAL	202.0			30.3		30.3		30.3
HANNA 031-14W4								
UPPER MANNVILLE B	105.0	0.10		10.5		10.5	3.6	6.9
LOWER MANNVILLE A	297.0	<0.01		0.3		0.3	0.3	
FIELD TOTAL	402.0			10.8		10.8	3.9	6.9
HARMATTAN EAST 032-03W5								
CARDIUM A	159.0	<0.01		0.2		0.2	0.2	
CARDIUM B	152.0	<0.01		0.2		0.2	0.2	
CARDIUM C	25.2	0.10		2.5		2.5	1.5	1.0
CARDIUM D	258.0	0.03		7.7		7.7	4.6	3.1
CARDIUM E	74.9	0.05		3.7		3.7	1.4	2.3
VIKING C	243.0	0.10		24.3		24.3	9.3	15.0
VIKING E TOTAL	6 528.0			759.0	1 230.0	1 989.0	1 313.2	675.8
PRIMARY AREA	1 184.0	0.10		118.0		118.0		
WATER FLOOD AREA	5 344.0	0.12	0.23	641.0	1 230.0	1 871.0		
VIKING J	77.5	0.05		3.9		3.9	0.7	3.2
VIKING K	106.0	0.10		10.6		10.6	1.1	9.5
BLAIRMORE	288.0	<0.09		24.8		24.8	24.8	
NORDEGG A	136.0	<0.01		1.2		1.2	1.2	
RUNDLE TOTAL	32 880.0			9 847.0	2 865.0	12 710.0	11 250.3	1 459.7
PRIMARY AREA	186.0	0.20		37.2		37.2		
SOLVENT FLOOD AREA	8 997.0	0.30	0.13	2 700.0	1 206.0	3 906.0		
WATER FLOOD AREA	23 700.0	0.30	0.07	7 110.0	1 659.0	8 769.0		
RUNDLE D	308.0	0.10		30.8		30.8	12.4	18.4
FIELD TOTAL	41 235.6			10 715.9	4 095.0	14 808.9	12 620.9	2 188.0
HARMATTAN-ELKTON 031-04W5								
BELLY RIVER A	137.0	<0.01		0.1		0.1	0.1	
CARDIUM A	50.0	0.18		9.0		9.0	6.1	2.9
CARDIUM B	117.0	0.10		11.7		11.7	1.6	10.1
VIKING A	72.5	<0.01		0.3		0.3	0.3	
RUNDLE B	113.0	<0.08		8.9		8.9	8.9	
RUNDLE C	29 900.0	0.40		11 960.0		11 960.0	10 978.9	981.1
FIELD TOTAL	30 389.5			11 990.0		11 990.0	10 995.9	994.1

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
132	5.81	0.236	0.23	0.90	42	896	32	7 511	-283.3	994.1	1972	89 12 - GPP
84	4.88	0.242	0.24	0.90	43	870	35	6 915	-279.3	997.3	1983	91 12 - GPP
64	2.50	0.260	0.21	0.85	66	885	31	7 306	-310.8	1 046.4	1984	84 12 - GPP
64	1.60	0.200	0.33	0.90	36	829	39	6 801	-284.7	1 003.3	1987	87 05 - GPP
129	5.89	0.211	0.29	0.90	36	865	39	6 713	-283.1	995.7	1986	89 12 - GPP
76	7.36	0.236	0.22	0.92	48	897	37	6 554	-269.1	987.5	1987	89 08 - GPP
113	3.85	0.210	0.32	0.85	62	885	35	6 648	-274.8	984.9	1987	92 09 - GPP
8	4.30	0.210	0.20	0.90	42	896	32	6 865	-284.8	1 003.5	1983	89 12 - GPP
27	7.74	0.256	0.15	0.90	42	896	32	6 810	-280.3	977.2	1985	93 12 - GPP
8	8.65	0.226	0.25	0.90	42	896	32	7 512	-283.3	981.5	1984	89 12 - GPP
4	0.50	0.260	0.28	0.90	42	896	32	7 440	-282.3	959.4	1985	88 09 - GPP
16	4.94	0.206	0.33	0.92	16	909	34	6 369	-268.0	983.2	1988	89 08 - GPP
32	3.50	0.190	0.35	0.91	37	899	35	7 338	-304.9	1 025.4	1989	90 10 - GPP
16	2.72	0.210	0.41	0.91	37	899	35	6 791	-283.5	993.2	1990	92 01 - GPP
16	5.06	0.280	0.25	0.93	48	865	35	7 420	-315.2	1 041.8	1959	75 12 - ABAND 69 07
192	3.02	0.190	0.25	0.88	50	835	50	11 419	-571.6	1 185.7	1980	92 12 - GPP
64	2.44	0.195	0.34	0.86	58	834	50	10 941	-546.3	1 152.8	1988	88 12 - GPP
64	5.20	0.120	0.35	0.78	93	800	63		-1 043.7	2 346.5	1992	93 06
64	2.00	0.180	0.50	0.91	37	853	31	8 100	-312.9	1 136.4	1981	82 06 - GPP
65	3.05	0.250	0.30	0.86	52	865	31	9 408	-309.7	1 174.4	1970	72 07 - ABAND 72 05
64	3.90	0.100	0.15	0.75	35	806	64	15 385	-886.1	1 938.2	1979	83 12 - ABAND 84 05
64	4.80	0.141	0.56	0.80	83	815	59	16 260	-928.7	2 023.5	1979	83 12 - ABAND 90 12
64	0.90	0.080	0.30	0.78	80	851	61	17 081	-948.8	2 051.9	1983	83 07 - GPP
64	4.00	0.150	0.15	0.79	79	785	61	16 617	-928.2	1 995.5	1981	86 12 - GPP
64	2.50	0.075	0.20	0.78	80	850	61	15 670	-923.6	1 978.9	1982	86 05 - GPP
64	8.30	0.077	0.30	0.85	60	844	67	17 242	-1 260.5	2 350.6	1981	82 06
4 873					58	840	56	10 410	-1 134.7	2 193.4	1979	88 03
1 037	1.89	0.104	0.30	0.83								
3 836	2.69	0.096	0.35	0.83								
64	3.88	0.080	0.50	0.78	100	840	51	10 347	-1 125.8	2 200.6	1982	83 05
64	4.99	0.078	0.39	0.70	160	790	67	17 275	-1 265.4	2 369.8	1982	83 11
65	5.49	0.150	0.17	0.65	177	834	77	29 042	-1 388.4	2 451.2	1961	61 09 - GPP
64	7.70	0.075	0.45	0.67	170	820	90	24 897	-1 378.0	2 459.2	1980	88 12 - ABAND 86 01
4 711					171	834	85	23 691	-1 516.3	2 608.2	1954	90 04 - GPP
64	6.69	0.080	0.19	0.67								
896	12.87	0.137	0.15	0.67								
3 751	8.10	0.137	0.15	0.67								
64	14.10	0.060	0.15	0.67	171	834	85	22 960	-1 353.2	2 409.9	1984	84 02 - GPP
64	3.19	0.123	0.40	0.91	32	839	46	13 693	-561.0	1 670.3	1985	85 11 - ABAND 86 01
64	2.17	0.060	0.25	0.80	80	816	62	20 803	-1 230.6	2 394.1	1980	93 12
64	2.50	0.100	0.15	0.86	52	833	79	28 001	-1 228.0	2 403.3	1986	87 01
32	6.80	0.060	0.33	0.83	63	840	63	28 685	-1 310.6	2 408.0	1990	92 12 - ABAND 92 09
65	2.77	0.126	0.23	0.65	158	825	93	23 782	-1 632.3	2 715.3	1962	74 02 - ABAND 72 02
4 491	9.56	0.128	0.20	0.68	172	844	94	25 252	-1 654.9	2 783.9	1954	89 12 - GPP

TABLE 2-6

FIELD POOL	1	3		6			7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	103m3	frac	frac	103m3	103m3	103m3	103m3	103m3
HARD 106-08W6								
KEG RIVER A	370.0	<0.01		2.0		2.0	2.0	
FIELD TOTAL *	370.0			2.0		2.0	2.0	
HAYNES 038-24W4								
D-2 B	209.0	0.05		10.5		10.5	0.8	9.7
D-2 A & D-3 A	2 512.0	0.25		628.0		628.0	439.9	188.1
D-3 B	389.0	0.30		117.0		117.0	38.0	79.0
FIELD TOTAL	3 110.0			755.5		755.5	478.7	276.8
HERCULES 050-24W4								
WABAMUN A	225.0	0.10		22.5		22.5	9.1	13.4
WABAMUN B	67.3	0.05		3.4		3.4	1.6	1.8
FIELD TOTAL	292.3			25.9		25.9	10.7	15.2
HERRONTON 019-25W4								
TURNER VALLEY A	466.0	0.05		23.3		23.3	2.5	20.8
TURNER VALLEY B	778.0	0.10		77.8		77.8	14.4	63.4
TURNER VALLEY C	677.0	0.05		33.9		33.9	4.7	29.2
FIELD TOTAL	1 921.0			135.0		135.0	21.6	113.4
HIGH PRAIRIE 073-16W5								
GILWOOD A	480.0	0.25		120.0		120.0	55.6	64.4
GILWOOD B	603.0	0.30		181.0		181.0	76.5	104.5
GILWOOD C	130.0	0.15		19.5		19.5	11.4	8.1
GILWOOD D	98.9	<0.03		2.0		2.0	2.0	
GILWOOD E	95.9	0.20		19.2		19.2	9.9	9.3
GILWOOD F	783.0	0.25		196.0		196.0	65.7	130.3
GILWOOD G	338.0	0.25		84.5		84.5	37.6	46.9
GILWOOD H	141.0	0.20		28.2		28.2	7.1	21.1
GILWOOD I	234.0	0.20		46.8		46.8	21.4	25.4
GILWOOD J	178.0	0.15		26.7		26.7	16.6	10.1
GILWOOD K	115.0	<0.01		1.1		1.1	1.1	
GILWOOD L	76.7	0.25		19.2		19.2	15.4	3.8
GILWOOD M	28.4	0.05		1.4		1.4	0.8	0.6
GILWOOD N	68.3	0.05		3.4		3.4	0.2	3.2
GILWOOD O	122.0	0.10		12.2		12.2	1.2	11.0
FIELD TOTAL	3 492.2			761.2		761.2	322.5	438.7
HIGH RIVER 018-30W4								
SAWTOOTH A	46.0	0.18		8.3		8.3	7.2	1.1
WABAMUN A	200.0	<0.06		10.5		10.5	10.5	
FIELD TOTAL	246.0			18.8		18.8	17.7	1.1
HIGHVALE 051-04W5								
CARDIUM C	2 456.0	0.13		319.0		319.0	276.0	43.0
CARDIUM D	605.0	0.10		60.5		60.5	24.9	35.6
CARDIUM G	236.0	0.10		23.6		23.6	2.2	21.4
LOWER MANNVILLE A	4 813.0			265.0	221.0	486.0	378.3	107.7
TOTAL								
PRIMARY AREA	2 363.0	0.05		118.0		118.0		
WATER FLOOD AREA	2 450.0	0.06	0.09	147.0	221.0	368.0		
LOWER MANNVILLE B	172.0	<0.07		12.0		12.0	12.0	
LOWER MANNVILLE D	102.0	0.10		10.2		10.2	6.3	3.9
LOWER MANNVILLE I	131.0	<0.03		3.4		3.4	3.4	
LOWER MANNVILLE J	102.0	<0.04		3.3		3.3	3.3	
LOWER MANNVILLE P	244.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE R	590.0	0.10		59.0		59.0	39.9	19.1
LOWER MANNVILLE S	135.0	0.10		13.5		13.5	2.8	10.7
LOWER MANNVILLE T	201.0	0.05		10.1		10.1	2.5	7.6
LOWER MANNVILLE U	605.0	0.10		60.5		60.5	23.3	37.2
LOWER MANNVILLE V	74.1	0.10		7.4		7.4	4.5	2.9
LOWER MANNVILLE W	53.1	0.10		5.3		5.3	2.0	3.3
NORDEGG E	73.7	<0.01		0.3		0.3	0.3	
NORDEGG D & BANFF H	7 118.0	0.05		356.0		356.0	184.7	171.3
NORDEGG F & BANFF R	733.0	0.02		14.7		14.7	7.9	6.8
BANFF A	3 544.0	0.08		284.0		284.0	204.9	79.1

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
64	16.90	0.060	0.08	0.62	193	807	84	17 720	-1 431.0	2 000.3	1982	83 05 - ABAND 86 03
121	5.40	0.060	0.24	0.70	143	823	67	13 667	-996.1	1 873.1	1990	92 08
1 236	7.75	0.050	0.24	0.69	148	825	61	16 431	-1 002.4	1 844.9	1968	92 11
162	5.00	0.080	0.22	0.77	108	822	58	13 930	-1 020.4	1 897.2	1990	92 10 - GPP
64	7.90	0.080	0.36	0.87	52	870	47	9 004	-513.8	1 256.7	1980	81 08 - GPP
16	11.10	0.110	0.59	0.84	60	839	54	9 737	-536.6	1 270.3	1989	91 03 - GPP
64	8.30	0.150	0.24	0.77	91	842	52	16 424	-792.6	1 790.1	1989	90 03
176	5.56	0.120	0.23	0.86	35	883	44	14 132	-778.6	1 789.2	1991	93 05
64	11.00	0.130	0.14	0.86	90	880	45	15 439	-775.4	1 815.1	1992	92 11
128	4.58	0.130	0.30	0.90	33	849	81	24 986	-1 681.9	2 320.9	1986	88 05 - GPP
181	4.35	0.145	0.40	0.88	43	840	81	24 645	-1 681.5	2 316.7	1987	90 02 - GPP
32	4.99	0.156	0.40	0.87	36	835	86	24 592	-1 682.8	2 316.3	1987	90 12 - GPP
32	3.28	0.168	0.37	0.89	36	868	86	24 039	-1 629.4	2 241.2	1987	92 10
32	3.30	0.170	0.40	0.89	36	835	86	24 571	-1 680.8	2 327.8	1987	91 12 - GPP
192	4.62	0.146	0.32	0.89	36	835	86	24 543	-1 678.0	2 311.3	1987	88 12 - GPP
128	3.93	0.130	0.42	0.89	36	835	85	23 846	-1 624.6	2 242.4	1987	88 05
64	2.54	0.157	0.38	0.89	36	835	75	22 576	-1 618.0	2 259.1	1987	88 06 - GPP
64	3.79	0.155	0.30	0.89	36	935	86	23 506	-1 624.4	2 240.9	1987	88 08
64	3.94	0.139	0.43	0.89	36	935	80	24 677	-1 674.0	2 359.7	1987	89 03 - GPP
64	2.00	0.160	0.37	0.89	36	835	86	23 780	-1 622.1	2 259.8	1988	89 03 - ABAND 90 07
64	2.20	0.120	0.49	0.89	36	835	86	23 756	-1 678.8	2 319.3	1988	89 03 - GPP
64	0.83	0.120	0.50	0.89	36	835	86	24 637	-1 669.0	2 302.4	1988	89 10 - GPP
64	2.00	0.120	0.50	0.89	36	835	86	24 576	-1 681.4	2 320.0	1988	89 11 - GPP
32	4.79	0.170	0.47	0.88	43	840	97	24 121	-1 685.0	2 303.0	1989	90 12 - GPP
64	1.67	0.084	0.36	0.80	100	850	69	14 500	-1 618.6	2 769.2	1980	91 12 - GPP
64	4.00	0.150	0.20	0.65	190	825	91	28 707	-1 842.1	2 935.1	1956	75 12 - ABAND 71 07
1 848	1.26	0.140	0.19	0.93	22	871	39	15 474	-329.9	1 103.3	1980	90 12 - GPP
600	1.16	0.110	0.15	0.93	22	871	39	15 498	-350.6	1 131.6	1981	90 05
64	3.30	0.150	0.20	0.93	28	874	38	12 993	-351.2	1 090.9	1984	84 10
4 098					84	870	53	17 446	-809.3	1 578.3	1976	91 12
2 720	1.07	0.150	0.34	0.82								- GPP
1 378	2.19	0.150	0.34	0.82								
64	3.60	0.140	0.35	0.82	90	855	54	17 047	-818.0	1 582.3	1979	92 10
64	1.85	0.150	0.30	0.82	86	870	56	16 262	-820.2	1 586.5	1978	81 10 - GPP
64	1.80	0.180	0.23	0.82	84	865	43	15 054	-756.3	1 516.9	1980	89 12
64	2.50	0.120	0.35	0.82	68	862	50	16 544	-829.7	1 625.8	1982	89 12
64	5.95	0.130	0.40	0.82	82	882	56	14 509	-800.0	1 597.0	1983	84 10 - ABAND 85 05
192	3.02	0.170	0.27	0.82	82	882	56	15 853	-789.8	1 568.4	1985	88 02
64	2.40	0.165	0.35	0.82	82	870	56	16 880	-818.5	1 567.2	1983	85 12 - GPP
64	3.00	0.150	0.15	0.82	82	882	56	14 178	-771.9	1 492.2	1985	87 12
100	5.29	0.170	0.18	0.82	82	850	56	15 610	-781.4	1 511.1	1985	90 12
64	0.80	0.210	0.16	0.82	82	882	56	14 673	-739.2	1 512.4	1983	83 12
32	1.91	0.140	0.31	0.90	219	886	54	15 607	-735.8	1 463.2	1986	93 04 - GPP
64	3.20	0.080	0.40	0.75	108	880	55	17 183	-871.4	1 568.4	1979	92 10
1 116	6.96	0.200	0.42	0.79	102	869	54	17 595	-846.6	1 613.0	1981	91 12 - GPP
192	4.63	0.167	0.39	0.81	112	889	57	16 792	-879.9	1 575.7	1981	90 02
464	7.50	0.180	0.31	0.82	117	870	60	17 069	-798.3	1 591.5	1978	90 09 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
HIGHVALE 051-04W5 (CONTINUED)								
BANFF B	287.0	0.05		14.4		14.4	9.4	5.0
BANFF E	277.0	0.05		13.9		13.9	6.7	7.2
BANFF F	375.0	<0.01		1.0		1.0	1.0	
BANFF K	80.9	<0.01		0.1		0.1	0.1	
BANFF M	536.0	0.04		21.4		21.4	9.4	12.0
BANFF P	371.0	0.12		44.5		44.5	40.3	4.2
BANFF S	208.0	<0.01		1.7		1.7	1.7	
BANFF T	190.0	0.05		9.5		9.5	3.4	6.1
FIELD TOTAL	24 312.8			1 614.4	221.0	1 835.4	1 251.3	584.1
HILLSDOWN 037-25W4								
D-2 A	263.0	0.05		13.2		13.2	8.4	4.8
D-2 B	308.0	0.15		46.2		46.2	45.0	1.2
D-2 C	198.0	0.05		9.9		9.9	6.9	3.0
D-3 A	112.0	<0.02		1.3		1.3	1.3	
FIELD TOTAL	881.0			70.6		70.6	61.6	9.0
HOMEGLLEN-RIMBEY 043-01W5								
ELLERSLIE A	156.0	<0.01		0.1		0.1	0.1	
PEKISKO A	334.0	0.10		33.4		33.4	8.3	25.1
D-3	17 420.0	0.13		2 265.0		2 265.0	1 446.6	818.4
D-3 B	700.0	0.20		140.0		140.0	88.1	51.9
D-3 C	161.0	0.05		8.1		8.1	7.1	1.0
FIELD TOTAL	18 771.0			2 446.6		2 446.6	1 550.2	896.4
HONEYSUCKLE 046-26W4								
BELLY RIVER A & B	358.0	0.05		17.9		17.9	0.1	17.8
UPPER MANNVILLE B	231.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL	589.0			18.0		18.0	0.2	17.8
HOOKER 015-29W4								
JURASSIC A	95.3	0.11		10.5		10.5	9.4	1.1
JURASSIC B	146.0	0.10		14.6		14.6	5.8	8.8
FIELD TOTAL	241.3			25.1		25.1	15.2	9.9
HOTCHKISS 093-25W5								
GILWOOD B	3 027.0	0.20		605.0		605.0	77.8	527.2
FIELD TOTAL	3 027.0			605.0		605.0	77.8	527.2
HUSSAR 025-20W4								
VIKING N	113.0	<0.05		5.3		5.3	5.3	
GLAUCONITIC A	6 980.0	0.50		3 490.0		3 490.0	3 397.6	92.4
GLAUCONITIC B	1 300.0	0.03		39.0		39.0	30.1	8.9
GLAUCONITIC C	37.0	<0.06		2.1		2.1	2.1	
GLAUCONITIC E	842.0	0.07		58.9		58.9	53.1	5.8
GLAUCONITIC F	74.0	0.06		4.4		4.4	4.4	
GLAUCONITIC G	926.0	0.07		64.8		64.8	56.1	8.7
GLAUCONITIC H	108.0	<0.08		8.1		8.1	8.1	
GLAUCONITIC J	263.0	0.10		26.3		26.3	16.4	9.9
GLAUCONITIC K	119.0	<0.04		4.6		4.6	4.6	
GLAUCONITIC U	155.0	0.15		23.3		23.3	22.5	0.8
GLAUCONITIC X	227.0	0.10		22.7		22.7	15.7	7.0
GLAUCONITIC BB	636.0	0.10		63.6		63.6	55.7	7.9
GLAUCONITIC DD	219.0	0.04		8.8		8.8	7.3	1.5
GLAUCONITIC SS	173.0	<0.01		0.3		0.3	0.3	
GLAUCONITIC VV	216.0	0.10		21.6		21.6	11.4	10.2
GLAUCONITIC YY	221.0	<0.02		2.8		2.8	2.8	
GLAUCONITIC FFF	32.6	<0.07		2.0		2.0	2.0	
GLAUCONITIC NNN	632.0	0.05		31.6		31.6	15.1	16.5
GLAUCONITIC RRR	90.9	0.01		0.9		0.9	0.8	0.1
GLAUCONITIC SSS	1 173.0	0.10		117.0		117.0	100.9	16.1
GLAUCONITIC TTT	55.3	0.10		5.5		5.5	3.9	1.6
GLAUCONITIC VVV	71.9	<0.01		0.1		0.1	0.1	
GLAUCONITIC B2B	71.8	<0.03		1.5		1.5	1.5	

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
64	4.05	0.220	0.33	0.75	117	870	60	16 983	-818.0	1 582.7	1977	80 01 - GPP
32	7.03	0.200	0.25	0.82	89	870	60	17 359	-794.1	1 610.4	1978	93 04 - GPP
64	8.00	0.122	0.25	0.80	88	870	57	18 644	-813.3	1 627.5	1981	85 12 - ABAND 85 12
64	2.00	0.150	0.48	0.81	88	866	56	15 202	-813.3	1 495.6	1983	83 10 - ABAND 83 09
64	7.42	0.215	0.36	0.82	117	870	60	16 090	-805.5	1 577.9	1977	85 05 - GPP
64	4.59	0.220	0.30	0.82	117	870	60	16 320	-803.5	1 560.5	1980	85 05
64	3.72	0.152	0.30	0.82	10	865	27	17 384	-875.2	1 633.0	1979	89 12
32	6.38	0.190	0.41	0.83	85	851	56	17 575	-896.0	1 662.0	1987	88 11 - GPP
128	6.52	0.060	0.28	0.73	141	826	64	15 487	-1 081.7	1 972.6	1978	84 12 - GPP
192	6.19	0.050	0.30	0.74	158	828	77	18 402	-1 092.1	2 008.3	1961	81 12 - GPP
64	10.90	0.058	0.30	0.70	130	815	69	18 471	-1 100.9	2 061.4	1985	89 12 - GPP
64	4.00	0.080	0.17	0.66	181	808	21	15 254	-1 130.4	2 090.9	1985	86 05 - ABAND 87 02
64	2.70	0.150	0.25	0.80	60	898	53	11 807	-856.1	1 752.0	1980	83 12
5 244	11.20	0.075	0.27	0.85	60	825	65	15 516	-991.1	1 885.3	1985	85 12
105	7.40	0.080	0.15	0.66	165	811	83	19 643	-1 480.3	2 411.6	1953	93 12 - GPP
32	12.20	0.100	0.30	0.78	159	810	83	19 680	-1 485.2	2 390.4	1983	90 12 - GPP
	12.60	0.090	0.33	0.66	160	820	83	18 522	-1 477.8	2 381.8	1985	90 12 - GPP
32	9.59	0.190	0.31	0.89	50	848	36	4 715	212.3	586.3	1991	91 10 - GPP
32	13.70	0.110	0.43	0.84	58	910	65	11 760	-627.0	1 419.9	1990	92 10 - ABAND 92 08
64	2.01	0.105	0.15	0.83	120	880	72	27 802	-1 688.5	2 790.8	1980	92 12 - GPP
64	3.85	0.110	0.35	0.83	63	880	66	36 965	-1 769.8	2 947.0	1980	81 06 - GPP
584	7.00	0.130	0.33	0.85	53	860	77	20 949	-1 382.2	2 135.4	1991	93 12
64	1.83	0.190	0.40	0.85	58	850	39	8 384	-346.9	1 244.2	1963	92 07 - ABAND 68 10
675	7.07	0.210	0.14	0.81	82	844	46	10 493	-538.0	1 453.6	1957	90 12 - GPP
192	5.31	0.210	0.25	0.81	81	860	46	10 133	-520.0	1 431.6	1956	79 12 - GPP
16	1.83	0.200	0.21	0.80	82	860	45	10 255	-521.0	1 426.3	1958	64 04
90	6.11	0.225	0.16	0.81	78	849	41	10 080	-448.3	1 367.0	1959	79 12 - GPP
32	1.83	0.200	0.21	0.80	83	860	40	10 482	-476.3	1 341.6	1959	64 04 - ABAND 68 07
209	2.96	0.221	0.23	0.88	80	860	41	9 968	-522.2	1 362.0	1960	93 10 - GPP
21	3.70	0.210	0.18	0.80	80	860	44	10 090	-534.7	1 406.4	1962	79 01 - ABAND 78 11
192	1.86	0.140	0.36	0.82	80	838	44	10 494	-544.7	1 425.4	1977	82 05 - GPP
65	1.43	0.200	0.20	0.80	80	860	43	9 985	-551.9	1 416.1	1959	83 12 - GPP
163	0.91	0.150	0.14	0.81	80	860	36	10 130	-492.6	1 395.8	1964	87 12 - GPP
65	2.74	0.210	0.25	0.81	62	839	46	10 128	-504.8	1 433.5	1960	77 04 - GPP
177	3.05	0.210	0.30	0.80	82	844	44	10 423	-535.1	1 418.2	1963	69 08 - GPP
64	3.07	0.170	0.18	0.80	80	860	43	9 883	-536.0	1 396.1	1968	89 12 - GPP
64	3.00	0.150	0.25	0.80	66	857	40	10 335	-475.4	1 408.0	1979	81 12 - ABAND 92 10
64	4.40	0.160	0.40	0.80	88	860	49	10 842	-582.2	1 463.2	1978	80 02 - GPP
128	2.75	0.140	0.44	0.80	72	849	43	10 609	-531.5	1 407.4	1979	88 12
64	0.70	0.140	0.35	0.80	86	847	43	10 531	-503.7	1 403.7	1980	89 12
117	7.59	0.140	0.38	0.82	56	856	45	9 889	-451.2	1 392.0	1979	89 12 - GPP
16	5.50	0.210	0.40	0.82	56	857	45	11 665	-523.0	1 485.3	1982	92 12
708	1.53	0.202	0.33	0.80	86	860	44	10 064	-477.9	1 432.0	1960	83 06 - GPP
64	1.00	0.180	0.40	0.80	86	860	44	10 006	-476.8	1 447.0	1979	83 06 - GPP
64	1.40	0.150	0.34	0.81	79	847	46	11 590	-514.8	1 380.2	1980	84 01
64	1.50	0.170	0.45	0.80	82	844	43	10 385	-469.1	1 386.1	1984	84 12 - ABAND 88 07

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
HUSSAR 025-20W4 (CONTINUED)								
GLAUCONITIC H2H	104.0	0.10		10.4		10.4	3.0	7.4
GLAUCONITIC L2L	170.0	0.05		8.5		8.5	5.2	3.3
GLAUCONITIC M2M	190.0	0.05		9.5		9.5	2.0	7.5
OSTRACOD C	79.5	0.02		1.6		1.6	1.6	
OSTRACOD H	48.7	0.01		0.5		0.5	0.5	
OSTRACOD P	125.0	<0.10		11.7		11.7	11.7	
OSTRACOD X	158.0	0.05		7.9		7.9	4.9	3.0
OSTRACOD BB	54.6	<0.01		0.3		0.3	0.3	
OSTRACOD CC	111.0	<0.07		7.1		7.1	7.1	
OSTRACOD FF	88.7	0.10		8.9		8.9	5.3	3.6
OSTRACOD GG	55.7	<0.01		0.1		0.1	0.1	
BASAL MANNVILLE A	105.0	<0.04		3.6		3.6	3.6	
BASAL MANNVILLE C	222.0	0.10		22.2		22.2	18.7	3.5
BASAL MANNVILLE E	212.0	<0.02		2.8		2.8	2.8	
BASAL MANNVILLE G	229.0	0.05		11.5		11.5	1.1	10.4
BASAL MANNVILLE H	281.0	<0.01		0.2		0.2	0.2	
BASAL MANNVILLE L	35.1	<0.08		2.7		2.7	2.7	
BASAL MANNVILLE M	300.0	0.10		30.0		30.0	28.1	1.9
BASAL MANNVILLE N	318.0	0.08		25.4		25.4	24.3	1.1
BASAL MANNVILLE O	1 910.0	0.10	0.05	191.0	95.5	287.0	223.6	63.4
WATER FLOOD								
BASAL MANNVILLE P	250.0	<0.05		12.3		12.3	12.3	
BASAL MANNVILLE Q	953.0	0.06		57.2		57.2	56.0	1.2
BASAL MANNVILLE Y	175.0	0.10		17.5		17.5	15.4	2.1
BASAL MANNVILLE KK	75.2	<0.01		0.3		0.3	0.3	
BASAL MANNVILLE OO	1 093.0	0.08		87.4		87.4	68.9	18.5
BASAL MANNVILLE QQ	113.0	0.05		5.7		5.7	0.8	4.9
BASAL MANNVILLE SS	163.0	<0.02		1.9		1.9	1.9	
BASAL MANNVILLE UU	71.7	0.05		3.6		3.6	0.9	2.7
BASAL MANNVILLE I&Z	276.0	0.14		38.6		38.6	35.0	3.6
BASAL MANNVILLE AAA	1 228.0	0.02		24.6		24.6	11.5	13.1
BASAL QUARTZ B	221.0	0.10		22.1		22.1	3.0	19.1
PEKISKO B	143.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL	24 295.7			4 632.4	95.5	4 728.4	4 370.7	357.7
HUTCH 112-22W5								
SLAVE POINT A	81.0	<0.02		0.9		0.9	0.9	
SLAVE POINT B	152.0	<0.01		1.4		1.4	1.4	
SLAVE POINT C	65.8	<0.01		0.2		0.2	0.2	
FIELD TOTAL	298.8			2.5		2.5	2.5	
HUXLEY 034-24W4								
LOWER MANNVILLE B	292.0	0.05		14.6		14.6	6.9	7.7
LOWER MANNVILLE C	155.0	0.03		4.7		4.7	2.6	2.1
FIELD TOTAL	447.0			19.3		19.3	9.5	9.8
HYTHE 073-09W6								
HALFWAY A	409.0	0.10		40.9		40.9	10.8	30.1
HALFWAY B	119.0	0.10		11.9		11.9	6.9	5.0
HALFWAY C	330.0	0.10		33.0		33.0	12.2	20.8
HALFWAY D	121.0	0.10		12.1		12.1	2.6	9.5
HALFWAY E	266.0	0.10		26.6		26.6	2.4	24.2
HALFWAY F	419.0	0.05		21.0		21.0	13.4	7.6
FIELD TOTAL	1 664.0			145.5		145.5	48.3	97.2
INNISFAIL 034-01W5								
BELLY RIVER A	844.0	0.05		42.2		42.2	10.0	32.2
BELLY RIVER B	267.0	<0.01		0.2		0.2	0.2	
BELLY RIVER C	295.0	0.05		14.8		14.8	5.4	9.4
BLAIRMORE	87.6	0.08		7.0		7.0	5.5	1.5
D-3	19 700.0	0.68		13 400.0		13 400.0	12 786.3	613.7
FIELD TOTAL	21 193.6			13 464.2		13 464.2	12 807.4	656.8
IOSEGUN 067-20W5								
MONTNEY A	41.7	0.30		12.5		12.5	4.1	8.4
NISKU A	86.9	0.08		7.0		7.0	5.6	1.4

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
64	2.00	0.190	0.48	0.82	56	857	45	10 057	-470.3	1 426.7	1980	86 10 - GPP
64	2.90	0.200	0.44	0.82	56	857	45	9 772	-455.3	1 384.7	1990	91 12 - GPP
64	5.50	0.140	0.53	0.82	56	857	45	9 789	-430.3	1 337.4	1990	91 09
64	0.76	0.230	0.10	0.79	82	860	54	10 360	-534.7	1 439.7	1958	68 03 - ABAND 61 09
16	2.44	0.200	0.21	0.79	82	860	46	10 367	-525.7	1 397.1	1959	68 03 - ABAND 63 04
64	1.23	0.230	0.15	0.81	62	860	49	10 261	-490.9	1 398.6	1965	81 12 - ABAND 88 05
64	2.16	0.250	0.42	0.79	64	865	37	10 208	-442.2	1 309.2	1977	88 12 - GPP
64	1.50	0.160	0.55	0.79	80	857	54	9 907	-505.9	1 469.0	1980	83 01 - ABAND 82 10
64	2.00	0.180	0.40	0.80	56	857	41	9 450	-482.9	1 399.9	1980	92 10
64	1.30	0.180	0.26	0.80	84	841	40	10 047	-543.0	1 430.4	1984	85 05 - GPP
64	1.00	0.200	0.50	0.87	50	854	38	9 876	-440.9	1 279.5	1984	85 07 - ABAND 85 12
33	2.13	0.220	0.14	0.80	82	849	46	10 435	-546.3	1 447.3	1957	68 03 - ABAND 63 07
64	2.74	0.200	0.21	0.80	82	849	47	10 435	-539.3	1 451.6	1952	71 03 - GPP
32	6.40	0.168	0.23	0.80	82	849	44	10 220	-495.4	1 418.9	1959	64 04 - ABAND 63 04
33	5.79	0.200	0.25	0.80	82	849	43	10 441	-502.2	1 399.8	1960	92 01 - GPP
32	7.32	0.200	0.25	0.80	82	849	43	10 084	-510.8	1 416.1	1960	68 03 - ABAND 61 12
16	1.83	0.200	0.25	0.80	82	849	46	10 405	-544.3	1 449.3	1958	77 07 - GPP
146	2.16	0.170	0.30	0.80	82	849	44	10 260	-496.6	1 417.9	1964	82 12 - GPP
133	2.13	0.200	0.30	0.80	82	849	42	10 328	-513.8	1 421.5	1964	83 12 - GPP
357	6.13	0.176	0.38	0.80	81	849	44	10 193	-509.1	1 412.8	1964	84 12 - GPP
65	4.57	0.150	0.30	0.80	82	849	44	10 233	-521.0	1 426.0	1964	83 12 - ABAND 88 05
317	2.32	0.200	0.19	0.80	82	849	46	10 749	-588.8	1 457.8	1959	82 12 - GPP
65	2.32	0.200	0.26	0.79	82	849	42	9 955	-483.4	1 426.8	1959	86 12 - GPP
65	1.83	0.120	0.35	0.81	84	849	44	10 291	-532.8	1 409.7	1969	70 08
144	11.40	0.160	0.48	0.80	61	877	37	10 273	-541.0	1 435.2	1977	89 12 - GPP
64	2.00	0.170	0.35	0.80	82	840	43	11 353	-620.6	1 520.5	1979	80 11 - GPP
16	11.50	0.170	0.35	0.80	63	865	39	8 824	-489.6	1 499.7	1980	92 11 - GPP
64	2.00	0.140	0.50	0.80	84	857	42	10 766	-590.7	1 481.9	1980	90 07 - GPP
50	4.78	0.190	0.24	0.80	84	849	38	10 414	-535.5	1 439.8	1955	90 12 - GPP
128	12.46	0.150	0.41	0.87	52	861	49	10 097	-542.2	1 416.0	1985	88 08 - GPP
64	4.80	0.180	0.50	0.80	70	870	30	9 803	-452.6	1 335.8	1981	83 02 - GPP
64	5.00	0.080	0.32	0.82	75	854	47	10 262	-576.1	1 441.5	1980	81 10 - ABAND 83 02
16	12.50	0.060	0.25	0.90	28	865	56	9 941	-727.7	1 128.2	1985	90 12 - ABAND 93 03
16	18.57	0.072	0.21	0.90	42	883	40	9 748	-723.6	1 126.8	1986	90 12 - ABAND 93 02
16	7.77	0.098	0.40	0.90	34	883	51	9 839	-706.9	1 106.5	1987	90 12 - ABAND 93 02
64	4.10	0.160	0.20	0.87	47	875	62	9 876	-734.8	1 593.7	1988	90 12
64	3.10	0.120	0.25	0.87	47	875	62	10 088	-719.4	1 578.3	1988	90 12
128	7.14	0.090	0.28	0.69	149	829	64	22 355	-1 483.0	2 260.5	1981	83 03 - GPP
64	5.50	0.063	0.20	0.67	155	825	62	21 979	-1 454.8	2 202.9	1978	82 12 - GPP
128	5.36	0.093	0.25	0.69	250	827	75	22 452	-1 440.0	2 179.0	1981	85 05 - GPP
64	5.45	0.080	0.36	0.68	188	830	62	22 204	-1 471.9	2 230.5	1979	86 02 - GPP
64	10.84	0.073	0.24	0.69	149	826	64	22 135	-1 447.1	2 221.9	1985	87 05
64	11.62	0.109	0.25	0.69	149	823	64	22 218	-1 477.1	2 254.3	1986	92 12 - GPP
128	9.08	0.150	0.45	0.88	36	816	36	8 531	-286.0	1 208.2	1982	86 12 - GPP
64	6.15	0.140	0.45	0.88	36	815	43	8 421	-274.3	1 195.5	1983	88 12 - ABAND 85 06
32	11.90	0.160	0.45	0.88	36	836	43	8 527	-287.6	1 292.8	1983	89 12 - GPP
16	4.88	0.200	0.15	0.66	154	874	78	16 867	-1 112.0	2 055.7	1956	93 10
3 034	23.47	0.060	0.13	0.53	300	806	92	24 694	-1 662.2	2 648.2	1957	92 12 - GPP
64	1.00	0.110	0.26	0.80	109	854	63	14 947	-906.7	1 704.7	1990	92 11 - GPP
64	2.50	0.080	0.13	0.78	95	910	66	31 211	-1 817.5	2 583.6	1984	92 09 - GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
IOSEGUN 067-20W5 (CONTINUED)								
FIELD TOTAL	128.6			19.5		19.5	9.7	9.8
IRON SPRINGS 011-20W4								
BOW ISLAND A	50.4	0.10		5.0		5.0	4.3	0.7
FIELD TOTAL	50.4			5.0		5.0	4.3	0.7
JAYAR 062-03W6								
DUNVEGAN A	3 452.0	0.10		345.0		345.0	166.8	178.2
DUNVEGAN B	233.0	0.10		23.3		23.3	21.2	2.1
DUNVEGAN C	229.0	0.10		22.9		22.9	17.3	5.6
DUNVEGAN D	191.0	0.10		19.1		19.1	2.3	16.8
DUNVEGAN E	215.0	0.10		21.5		21.5	3.3	18.2
FIELD TOTAL	4 320.0			431.8		431.8	210.9	220.9
JOAN 091-10W5								
GRANITE WASH A	139.0	0.20		27.8		27.8	5.5	22.3
GRANITE WASH B	183.0	<0.02		2.0		2.0	2.0	
FIELD TOTAL	322.0			29.8		29.8	7.5	22.3
JOARCAM 048-21W4								
VIKING TOTAL	42 520.0			16 330.0	3 048.0	19 380.0	17 891.3	1 488.7
PRIMARY AREA	15 310.0	0.42		6 430.0		6 430.0		
WATER FLOOD AREA	27 210.0	<0.37	0.11	9 898.0	3 048.0	12 950.0		
VIKING C	115.0	0.06		6.9		6.9	6.0	0.9
VIKING K	11.2	0.01		0.1		0.1	0.1	
WABAMUN A	146.0	<0.01		0.2		0.2	0.2	
FIELD TOTAL	42 792.2			16 337.2	3 048.0	19 387.2	17 897.6	1 489.6
JOFFRE 038-26W4								
VIKING TOTAL	14 830.0			2 481.0	3 970.0	6 451.0	5 941.6	509.4
PRIMARY AREA	325.0	0.12		39.0		39.0		
SOLVENT FLOOD AREA	2 306.0	<0.17	0.38	387.0	883.0	1 270.0		
WATER FLOOD AREA	12 200.0	<0.17	0.25	2 055.0	3 087.0	5 142.0		
VIKING B	380.0	0.32		122.0		122.0	113.3	8.7
VIKING C	130.0	0.05		6.5		6.5	3.1	3.4
VIKING D	340.0	0.15		51.0		51.0	40.8	10.2
VIKING E	123.0	0.15		18.5		18.5	9.6	8.9
VIKING H	43.9	0.50		22.0		22.0	9.0	13.0
BLAIRMORE A	192.0	<0.04		5.8		5.8	5.8	
BLAIRMORE B	304.0	<0.11		32.8		32.8	32.8	
BLAIRMORE F	76.1	<0.04		2.5		2.5	2.5	
BLAIRMORE L	37.9	0.12		4.5		4.5	4.2	0.3
BLAIRMORE M	35.0	0.10		3.5		3.5	0.4	3.1
BLAIRMORE O	80.2	0.10		8.0		8.0	3.7	4.3
BLAIRMORE P	210.0	0.05		10.5		10.5	0.7	9.8
D-2 TOTAL	28 450.0			7 113.0	1 333.0	8 446.0	7 511.6	934.4
PRIMARY AREA	1 801.0	0.25		450.0		450.0		
WATER FLOOD AREA	26 650.0	0.25	0.05	6 663.0	1 333.0	7 996.0		
D-2 B	345.0	0.20		69.0		69.0	13.3	55.7
D-2 C	161.0	0.15		24.2		24.2	0.6	23.6
D-3 A	30.3	<0.05		1.4		1.4	1.4	
D-3 B SOLVENT FLOOD	2 100.0	0.40	0.38	840.0	798.0	1 638.0	596.3	1 041.7
D-3 C	111.0	0.20		22.2		22.2	0.3	21.9
D-3 D	133.0	<0.01		0.9		0.9	0.9	
D-3 E	78.6	<0.04		2.5		2.5	2.5	
FIELD TOTAL	48 191.0			10 841.8	6 101.0	16 942.8	14 294.4	2 648.4
JOHNSON 017-14W4								
DETRITAL A	13.9	<0.02		0.2		0.2	0.2	
FIELD TOTAL *	13.9			0.2		0.2	0.2	
JOSEPHINE 083-09W6								
KISKATINAW B	149.0	<0.01		1.1		1.1	1.1	
FIELD TOTAL	149.0			1.1		1.1	1.1	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
64	0.93	0.150	0.40	0.94	25	876	21	5 652	7.8	868.2	1977	85 08 - GPP
758	9.10	0.110	0.30	0.65	185	752	66	24 092	-1 303.7	2 335.9	1979	81 12 - GPP
64	7.84	0.102	0.30	0.65	185	752	76	12 093	-1 336.8	2 394.0	1981	81 12 - GPP
64	8.73	0.097	0.35	0.65	155	832	74	21 830	-1 236.8	2 488.3	1982	82 12 - GPP
64	7.22	0.091	0.30	0.65	185	825	66	24 052	-1 268.7	2 537.6	1981	81 06 - GPP
64	7.83	0.100	0.37	0.68	165	824	66	21 757	-1 275.7	2 520.6	1988	88 12 - GPP
64	3.30	0.153	0.50	0.86	48	828	38	15 366	-921.0	1 481.3	1982	82 06 - GPP
64	3.10	0.165	0.35	0.86	55	830	35	15 737	-927.3	1 477.7	1982	83 05 - ABAND 89 03
9 035					34	834	36	6 234	-239.6	983.0	1949	92 12
3 818	3.14	0.197	0.28	0.90								- GPP
5 217	4.17	0.193	0.28	0.90								
128	0.95	0.170	0.38	0.90	45	859	32	5 724	-213.8	992.5	1949	91 12
16	1.30	0.100	0.40	0.90	43	852	34	5 880	-226.2	994.7	1987	88 08 - ABAND 88 09
64	6.50	0.075	0.45	0.85	64	836	40	7 495	-418.0	1 188.8	1980	84 12 - GPP
8 210					67	820	51	8 099	-607.8	1 489.7	1953	93 12 - GPP
539	1.08	0.111	0.38	0.81								
1 064	3.89	0.111	0.38	0.81								
6 607	3.31	0.111	0.38	0.81								
785	0.83	0.120	0.40	0.81	66	817	56	7 630	-593.3	1 470.3	1955	93 12 - GPP
128	1.55	0.120	0.34	0.83	70	817	30	8 389	-696.1	1 603.3	1959	85 08 - GPP
500	1.06	0.120	0.34	0.81	66	817	56	7 933	-644.7	1 594.9	1981	88 12
128	3.00	0.070	0.43	0.80	99	820	44	8 527	-705.1	1 559.4	1985	86 08
51	1.20	0.150	0.41	0.81	67	821	56	7 081	-527.2	1 384.7	1990	92 11 - GPP
32	7.96	0.130	0.28	0.80	71	860	71	14 223	-873.0	1 754.1	1957	64 04 - ABAND 70 06
162	2.44	0.130	0.25	0.79	76	860	67	14 645	-892.3	1 732.9	1958	88 12 - ABAND 85 09
65	2.44	0.100	0.40	0.80	84	870	67	14 943	-850.1	1 724.0	1975	75 12 - ABAND 87 08
64	1.46	0.080	0.35	0.78	91	878	69	12 147	-882.3	1 734.2	1985	91 12
64	0.90	0.120	0.35	0.78	91	879	69	14 761	-871.7	1 801.6	1987	88 10 - GPP
64	1.50	0.120	0.14	0.81	79	891	70	13 625	-898.0	1 831.7	1988	89 10
64	5.00	0.130	0.37	0.80	83	832	54	13 986	-731.9	1 673.5	1985	91 03 - GPP
11 080					130	815	77	17 550	-1 245.3	2 132.2	1956	93 11 - GPP
740	6.86	0.060	0.19	0.73								
10 340	10.42	0.044	0.23	0.73								
64	9.80	0.080	0.15	0.81	76	892	61	13 522	-1 007.1	1 869.3	1992	92 07
64	5.70	0.080	0.32	0.81	76	867	58		-1 016.5	1 893.0	1992	92 12
64	0.90	0.080	0.10	0.73	110	824	79	15 534	-1 246.0	2 212.5	1964	86 01 - ABAND 86 06
62	54.20	0.100	0.12	0.71	140	832	72	16 462	-1 238.2	2 147.5	1985	89 09
32	9.00	0.060	0.14	0.75	111	832	74	16 190	-1 210.0	2 120.8	1986	91 12
16	14.40	0.090	0.10	0.71	135	829	78	18 553	-1 354.1	2 286.7	1987	92 11 - ABAND 89 08
32	4.27	0.090	0.10	0.71	140	832	72		-1 257.9	2 165.6	1959	93 07 - ABAND 61 11
16	1.00	0.220	0.52	0.82	70	888	54	10 749	-265.6	1 033.0	1983	83 10 - ABAND 83 10
64	4.90	0.097	0.30	0.70	150	904	51	15 225	-1 062.4	1 749.7	1975	82 12 - ABAND 87 10

TABLE 2-6

FIELD POOL	1 INITIAL VOLUME IN PLACE 10 ³ m ³	2 3		4 5		6	7	8
		RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 10 ³ m ³	REMAINING ESTABLISHED RESERVES 10 ³ m ³
		PRIMARY frac	ENHANCED frac	PRIMARY 10 ³ m ³	ENHANCED 10 ³ m ³	TOTAL 10 ³ m ³		
JUDY CREEK 063-11W5								
VIKING A	6 000.0	0.15		900.0		900.0	837.1	62.9
VIKING D	307.0	<0.01		0.1		0.1	0.1	
PEKISKO A	115.0	<0.01		0.1		0.1	0.1	
BEAVERHILL LAKE A	126 200.0			20 190.0	37 540.0	57 730.0	50 184.2	7 545.8
TOTAL								
PRIMARY AREA	235.0	0.12		28.2		28.2		
SOLVENT FLOOD AREA	67 140.0	0.16	0.34	10 740.0	22 830.0	33 570.0		
WATER FLOOD AREA	58 860.0	0.16	0.25	9 418.0	14 710.0	24 130.0		
BEAVERHILL LAKE B	43 000.0			8 600.0	11 480.0	20 080.0	16 733.1	3 346.9
TOTAL								
SOLVENT FLOOD AREA	14 460.0	0.20	0.34	2 892.0	4 917.0	7 809.0		
WATER FLOOD AREA	28 540.0	0.20	0.23	5 708.0	6 564.0	12 270.0		
BEAVERHILL LAKE C	275.0	0.20		55.0		55.0	31.7	23.3
BEAVERHILL LAKE D	60.8	0.15		9.1		9.1	0.9	8.2
FIELD TOTAL	175 957.8			29 754.3	49 020.0	78 774.3	67 787.2	10 987.1
JUDY CREEK SOUTH 062-11W5								
BEAVERHILL LAKE	1 783.0			356.0	259.0	615.0	535.8	79.2
TOTAL								
PRIMARY AREA	487.0	0.20		97.4		97.4		
WATER FLOOD AREA	1 296.0	0.20	0.20	259.0	259.0	518.0		
BEAVERHILL LAKE C	1 500.0	0.10		150.0		150.0	109.5	40.5
BEAVERHILL LAKE D	283.0	<0.01		0.6		0.6	0.6	
BEAVERHILL LAKE E	275.0	0.10		27.5		27.5	3.0	24.5
FIELD TOTAL	3 841.0			534.1	259.0	793.1	648.9	144.2
JUMPBUSH 020-19W4								
BOW ISLAND A	219.0	0.10		21.9		21.9	4.6	17.3
UPPER MANNVILLE A	3 230.0	0.20		646.0		646.0	428.4	217.6
UPPER MANNVILLE B	420.0	0.15		63.0		63.0	57.9	5.1
UPPER MANNVILLE E	384.0	0.12		46.1		46.1	39.0	7.1
UPPER MANNVILLE F	407.0	0.30		122.0		122.0	42.5	79.5
UPPER MANNVILLE G	102.0	<0.01		0.8		0.8	0.8	
UPPER MANNVILLE H	400.0	0.20		80.0		80.0	60.7	19.3
UPPER MANNVILLE I	455.0	0.15		68.3		68.3	26.5	41.8
UPPER MANNVILLE J	269.0	0.10		26.9		26.9	12.9	14.0
UPPER MANNVILLE K	58.8	0.10		5.9		5.9	2.1	3.8
UPPER MANNVILLE M	319.0	0.20		63.8		63.8	38.0	25.8
UPPER MANNVILLE N	228.0	0.15		34.2		34.2	12.6	21.6
UPPER MANNVILLE O	99.8	0.15		15.0		15.0	12.1	2.9
UPPER MANNVILLE P	416.0	0.10		41.6		41.6	5.2	36.4
UPPER MANNVILLE Q	143.0	0.10		14.3		14.3	5.2	9.1
LOWER MANNVILLE A	66.0	<0.02		0.9		0.9	0.9	
LOWER MANNVILLE B	147.0	<0.02		2.1		2.1	2.1	
FIELD TOTAL	7 363.6			1 252.8		1 252.8	751.5	501.3
JUMPING POUND 026-05W5								
VIKING A	269.0	0.05		13.5		13.5	2.0	11.5
FIELD TOTAL	269.0			13.5		13.5	2.0	11.5
KAKUT 075-03W6								
CHARLIE LAKE A	360.0	0.15		54.0		54.0	34.7	19.3
CHARLIE LAKE B	1 120.0	0.20	0.15	224.0	168.0	392.0	229.5	162.5
WATER FLOOD								
FIELD TOTAL	1 480.0			278.0	168.0	446.0	264.2	181.8
KAKWA 063-05W6								
MAIN CARDIUM A	2 601.0	<0.09		225.0		225.0	120.8	104.2
A CARDIUM A TOTAL	7 070.0			1 198.0	819.0	2 017.0	1 501.2	515.8
PRIMARY AREA	2 757.0	0.20		551.0		551.0		
GAS FLOOD AREA	4 313.0	0.15	0.19	647.0	819.0	1 466.0		
C CARDIUM A	1 331.0	0.10		133.0		133.0	49.7	83.3
C CARDIUM B	324.0	0.12		38.9		38.9	19.8	19.1
C CARDIUM C	241.0	0.05		12.0		12.0	0.2	11.8
DUNVEGAN B	99.9	<0.02		1.7		1.7	1.7	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
4 210 65 32	1.46 4.57 7.50	0.170 0.170 0.070	0.34 0.30 0.22	0.87 0.87 0.88	48 51 47	839 849 921	54 48 61	9 177 8 470 12 966	-364.2 -398.3 -615.0	1 428.7 1 487.0 1 523.3	1960 1977 1988	83 05 - GPP 83 12 - GPP 89 03 - ABAND 88 12
13 064					122	820	96	24 183	-1 577.2	2 629.0	1959	93 12
64 4 962 8 038 4 565	12.30 25.21 13.64	0.050 0.090 0.090	0.16 0.16 0.16	0.71 0.71 0.71		184	815	97	24 858	-1 632.2	2 692.6	1959
												93 12 - GPP - GPP - GPP
970 3 595 128 64	32.00 17.04 6.96 2.66	0.092 0.092 0.060 0.068	0.17 0.17 0.17 0.26	0.61 0.61 0.62 0.71		184	815	97	24 146	-1 638.7	2 786.1	1962
					131	820	96	24 243	-1 587.9	2 543.8	1988	87 03 - GPP 89 05 - GPP
726					229	815	85	24 986	-1 652.0	2 723.4	1960	90 12
256 470	6.45 8.12	0.060 0.069	0.18 0.18	0.60 0.60								- GPP
1 230 128 64	3.08 8.50 12.80	0.068 0.050 0.080	0.18 0.35 0.40	0.71 0.80 0.70	112 176 131	815 828 820	84 92 96	23 224 24 176 24 894	-1 653.0 -1 667.7 -1 675.6	2 731.6 2 699.5 2 662.5	1960 1984 1985	85 12 - GPP 88 12 - ABAND 90 07 86 06 - GPP
64 320 142 128 164 64 131 64 32 64 64 32 64 32 32 16 64	4.80 7.10 2.50 2.10 3.50 1.70 2.30 4.30 5.00 0.80 4.00 4.14 1.61 8.40 4.30 3.08 4.02	0.140 0.220 0.190 0.210 0.164 0.180 0.200 0.240 0.260 0.180 0.200 0.250 0.190 0.250 0.160 0.210 0.140	0.44 0.24 0.25 0.20 0.46 0.35 0.20 0.18 0.22 0.25 0.25 0.20 0.40 0.28 0.22 0.25 0.52	0.91 0.85 0.83 0.85 0.80 0.80 0.83 0.84 0.83 0.85 0.85 0.86 0.85 0.86 0.83 0.85 0.85	32 75 73 75 93 90 73 72 73 80 73 65 75 65 69 56 62	860 876 846 876 865 865 846 861 857 871 846 868 876 868 860 887 855	36 41 40 41 39 36 40 40 40 48 40 40 41 40 35 41 43	7 488 11 987 11 462 11 796 12 071 12 611 11 391 11 482 11 294 11 927 11 266 11 121 11 805 10 268 11 089 11 523 13 440	-301.8 -438.1 -421.3 -434.5 -485.8 -485.6 -424.0 -423.2 -421.4 -430.3 -422.6 -442.0 -444.0 -444.0 -423.4 -466.1 -539.0	1 171.2 1 384.1 1 337.3 1 351.6 1 341.9 1 354.5 1 329.0 1 303.5 1 306.5 1 342.1 1 310.0 1 350.2 1 397.8 1 366.8 1 316.3 1 405.8 1 415.0	1991 1978 1976 1977 1976 1980 1972 1984 1987 1987 1979 1988 1979 1992 1985 1977 1977	91 06 - GPP 92 12 - GPP 89 10 91 12 - GPP 93 12 - GPP 83 12 - ABAND 87 06 90 12 85 04 - GPP 91 12 88 01 - GPP 93 06 92 03 92 04 - GPP 93 02 92 12 89 12 - ABAND 90 03 90 12 - ABAND 93 04
16	24.80	0.110	0.30	0.88	68	839	65	8 871	-946.6	2 189.9	1992	93 02
247 705	1.88 1.20	0.134 0.195	0.32 0.14	0.85 0.79	68 86	847 813	49 63	13 809 13 159	-795.3 -742.5	1 510.0 1 416.8	1982 1984	85 11 - GPP 93 12 - GPP
832 5 506 2 435 3 071 1 490 204 64 64	6.56 2.16 2.36 1.37 2.61 9.48 5.20	0.095 0.112 0.124 0.130 0.120 0.100 0.110	0.24 0.22 0.20 0.15 0.14 0.37 0.58	0.66 0.60 0.60 0.59 0.59 0.63 0.65	192 254 253 268 192 160	790 794 780 790 775 811	53 52 52 55 51 74	20 385 21 686 21 286 20 617 13 349 23 225	-781.0 -849.2 -799.7 -778.5 -735.3 -1 393.4	1 805.2 1 830.5 1 813.1 1 809.0 1 736.9 2 346.1	1979 1978 1979 1980 1957 1981	93 08 93 12 - GPP 92 12 85 02 88 05 - GPP 88 12 - ABAND 87 11

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
KAKWA 063-05W6 (CONTINUED) DUNVEGAN C	186.0	0.10		18.6		18.6	11.8	6.8
FIELD TOTAL	11 852.9			1 627.2	819.0	2 446.2	1 705.2	741.0
KARR 066-02W6								
DUNVEGAN A	137.0	<0.01		0.1		0.1	0.1	
DUNVEGAN C	218.0	0.10		21.8		21.8	1.4	20.4
NIKANASSIN A	112.0	0.15		16.8		16.8	4.0	12.8
FIELD TOTAL	467.0			38.7		38.7	5.5	33.2
KAYBOB 064-19W5								
GETHING C	186.0	<0.01		0.1		0.1	0.1	
GETHING D	205.0	<0.01		0.7		0.7	0.7	
GETHING I	33.3	<0.01		0.2		0.2	0.2	
GETHING K	5 762.0	<0.02		95.0		95.0	80.3	14.7
GETHING O	921.0	0.05		46.1		46.1	22.9	23.2
GETHING W	196.0	0.03		5.9		5.9	3.4	2.5
ROCK CREEK A	178.0	0.05		8.9		8.9	1.7	7.2
TRIASSIC A	53.3	0.03		1.6		1.6	1.6	
NISKU C	275.0	<0.03		7.5		7.5	7.5	
BEAVERHILL LAKE A	44 350.0			7 093.0	12 760.0	19 850.0	17 978.5	1 871.5
TOTAL								
PRIMARY AREA	351.0	0.15		52.7		52.7		
SOLVENT FLOOD AREA	34 000.0	0.16	0.30	5 440.0	10 360.0	15 800.0		
WATER FLOOD AREA	10 000.0	0.16	0.24	1 600.0	2 400.0	4 000.0		
BEAVERHILL LAKE B	1 315.0	0.13		171.0		171.0	156.8	14.2
FIELD TOTAL	53 474.6			7 430.0	12 760.0	20 187.0	18 253.7	1 933.3
KAYBOB SOUTH 060-19W5								
SECOND WHITE	200.0	0.10		20.0		20.0	10.1	9.9
SPECKS A								
DUNVEGAN A	174.0	<0.02		2.4		2.4	2.4	
DUNVEGAN B	808.0	0.03		24.2		24.2	16.9	7.3
BLUESKY A	63.9	<0.01		0.6		0.6	0.6	
BLUESKY D	974.0	0.10		97.4		97.4	4.9	92.5
GETHING C	98.7	0.05		4.9		4.9	0.4	4.5
TRIASSIC A TOTAL	34 910.0			5 890.0	12 090.0	17 980.0	15 507.5	2 472.5
PRIMARY AREA	611.0	0.17		104.0		104.0		
SOLVENT FLOOD AREA	14 500.0	<0.17	0.38	2 420.0	5 555.0	7 975.0		
WATER FLOOD AREA	19 800.0	0.17	0.33	3 366.0	6 534.0	9 900.0		
NISKU C	234.0	0.60		140.0		140.0	32.0	108.0
FIELD TOTAL	37 462.6			6 179.5	12 090.0	18 269.5	15 574.8	2 694.7
KEHD 011-22W4								
COLORADO A	388.0	0.10		38.8		38.8	28.8	10.0
BOW ISLAND C	345.0	<0.02		5.4		5.4	5.4	
BOW ISLAND F	276.0	0.10		27.6		27.6	24.0	3.6
BOW ISLAND G	414.0	0.10	0.20	41.4	82.8	124.0	57.3	66.7
WATER FLOOD								
BOW ISLAND H	99.8	0.10		10.0		10.0	4.4	5.6
ELKTON A	192.0	0.08		15.4		15.4	11.1	4.3
PEKISKO A	242.0	<0.02		2.7		2.7	2.7	
FIELD TOTAL *	1 956.8			141.3	82.8	223.9	133.7	90.2
KELSEY 044-18W4								
LOWER MANNVILLE A	75.5	0.05		3.8		3.8	0.8	3.0
LOWER MANNVILLE B	330.0	<0.01		1.2		1.2	1.2	
FIELD TOTAL	405.5			5.0		5.0	2.0	3.0
KIDNEY 092-05W5								
SLAVE POINT A	246.0	<0.01		1.0		1.0	1.0	
SLAVE POINT B	166.0	<0.01		0.1		0.1	0.1	
SLAVE POINT C	252.0	<0.01		0.2		0.2	0.2	
KEG RIVER A	671.0	0.25		168.0		168.0	79.4	88.6
KEG RIVER B	1 200.0	0.25		300.0		300.0	241.5	58.5
KEG RIVER C	579.0	0.25		145.0		145.0	90.3	54.7

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
64	5.10	0.120	0.35	0.73	165	830	67	23 949	-1 397.6	2 457.8	1980	86 11
64	3.62	0.120	0.40	0.82	72	837	49	13 018	-779.4	1 627.9	1984	86 01
64	5.54	0.121	0.38	0.82	68	847	48		-957.9	1 834.7	1986	88 01 - GPP
64	2.50	0.130	0.10	0.60	246	823	90	21 789	-1 599.5	2 358.0	1988	90 11
64	6.70	0.100	0.49	0.85	48	885	71	14 269	-949.8	1 754.2	1981	83 12
64	2.70	0.170	0.17	0.84	96	874	60	14 269	-979.2	1 753.9	1981	84 12
16	2.20	0.150	0.30	0.90	34	941	54	14 856	-966.5	1 760.1	1986	88 01 - ABAND 88 06
1 040	5.82	0.160	0.30	0.85	57	887	73	14 557	-1 022.0	1 810.2	1960	93 12 - GPP
175	5.50	0.170	0.33	0.84	64	874	60	14 675	-1 052.9	1 839.0	1985	93 11 - GPP
32	7.49	0.150	0.35	0.84	70	874	60	14 630	-1 047.5	1 828.9	1985	91 07 - GPP
32	8.50	0.140	0.37	0.74	126	893	71	14 105	-857.9	1 673.7	1990	91 12 - GPP
64	1.24	0.137	0.30	0.70	117	828	79	16 819	-1 138.3	1 924.1	1986	93 12 - ABAND 92 08
16	36.00	0.072	0.15	0.78	100	837	74	22 109	-1 799.0	2 541.5	1978	92 11 - GPP
6 948					199	811	113	32 040	-2 211.5	2 979.6	1957	90 12
128	9.88	0.064	0.30	0.62								- GPP
5 000	17.82	0.076	0.19	0.62								- GPP
1 820	18.57	0.062	0.23	0.62								
808	6.54	0.060	0.32	0.61	435	797	109	30 355	-2 151.0	2 945.2	1961	93 04
64	4.00	0.150	0.35	0.80	84	824	52	18 185	-799.4	1 629.0	1981	82 01
64	3.64	0.160	0.40	0.78	94	830	60	24 216	-1 128.6	2 002.8	1977	79 11 - ABAND 83 01
256	4.33	0.130	0.34	0.85	82	831	55	13 794	-739.8	1 685.3	1976	86 12 - GPP
65	1.52	0.120	0.28	0.75	103	829	82	12 893	-1 088.5	2 024.8	1976	83 12 - ABAND 80 02
128	13.37	0.110	0.31	0.75	100	842	70	13 913	-1 258.8	2 176.0	1991	92 08
64	3.06	0.120	0.40	0.70	156	824	82	14 591	-1 078.1	2 085.2	1978	84 12 - GPP
8 652					123	815	86	17 432	-1 263.0	2 118.3	1962	93 12
338	2.20	0.130	0.11	0.71								- GPP
3 249	6.73	0.105	0.11	0.71								- GPP
5 065	5.89	0.105	0.11	0.71								
64	7.00	0.110	0.12	0.54	277	810	102	24 490	-1 862.1	2 985.5	1991	91 11
256	1.25	0.187	0.28	0.90	24	870	38	7 669	-135.5	1 133.2	1932	75 09 - GPP
65	6.95	0.163	0.50	0.94	20	839	49	8 165	-206.5	1 175.5	1974	88 12 - ABAND 84 03
128	2.90	0.150	0.45	0.90	27	819	31	5 739	-63.0	997.1	1981	86 04 - GPP
270	1.71	0.135	0.30	0.95	27	873	31	5 694	-55.8	957.5	1983	89 02 - GPP
125	1.20	0.100	0.30	0.95	25	855	32	3 967	-77.5	1 044.9	1978	88 12 - GPP
64	3.05	0.160	0.14	0.71	128	839	42	14 938	-579.9	1 551.0	1972	83 12 - GPP
64	19.00	0.030	0.15	0.78	92	878	50	18 863	-927.1	1 902.5	1979	83 12 - ABAND 83 10
32	2.24	0.210	0.41	0.85	58	856	42	7 282	-371.2	1 079.7	1982	93 10
32	6.16	0.230	0.21	0.92	35	875	34	8 276	-404.6	1 135.8	1987	92 10
64	12.50	0.060	0.41	0.87	53	827	33	14 145	-554.4	1 054.4	1987	87 01 - ABAND 89 10
32	14.80	0.067	0.40	0.87	52	850	34	13 971	-539.2	1 036.6	1986	92 08
64	6.80	0.090	0.26	0.87	57	822	38	13 979	-539.8	1 037.0	1987	88 09 - ABAND 89 10
200	10.50	0.055	0.34	0.88	47	829	40	13 926	-709.8	1 288.7	1985	91 12 - GPP
583	5.58	0.059	0.29	0.88	43	825	39	13 954	-726.5	1 352.9	1985	89 01 - GPP
192	9.92	0.048	0.28	0.88	43	818	36	14 138	-732.4	1 433.7	1986	87 03 - GPP

TABLE 2-6

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
KIDNEY 092-05W5 (CONTINUED)								
KEG RIVER D	273.0	0.15		41.0		41.0	29.7	11.3
KEG RIVER E	345.0	0.25		86.3		86.3	63.4	22.9
KEG RIVER G	424.0	0.25		106.0		106.0	67.9	38.1
KEG RIVER I	553.0	0.25		138.0		138.0	62.8	75.2
KEG RIVER J	793.0	0.25		198.0		198.0	148.6	49.4
KEG RIVER K	142.0	0.20		28.4		28.4	7.7	20.7
KEG RIVER L	336.0	0.10		33.6		33.6	17.2	16.4
KEG RIVER M	381.0	0.15		57.2		57.2	21.9	35.3
KEG RIVER N	42.8	0.10		4.3		4.3	0.6	3.7
KEG RIVER O	80.7	0.20		16.1		16.1	12.4	3.7
KEG RIVER P	55.1	<0.13		6.9		6.9	6.9	
KEG RIVER Q	265.0	0.25		66.3		66.3	29.2	37.1
KEG RIVER R	65.1	0.25		16.3		16.3	3.2	13.1
KEG RIVER S	58.5	0.25		14.6		14.6	3.8	10.8
KEG RIVER T	129.0	0.25		32.3		32.3	13.0	19.3
KEG RIVER U	134.0	0.15		20.1		20.1	4.4	15.7
KEG RIVER V	100.0	0.25		25.0		25.0	20.8	4.2
KEG RIVER W	519.0	0.10		51.9		51.9	13.9	38.0
KEG RIVER X	177.0	0.25		44.3		44.3	4.5	39.8
KEG RIVER Y	764.0	0.25		191.0		191.0	96.3	94.7
KEG RIVER AA	34.0	0.15		5.1		5.1	4.1	1.0
KEG RIVER BB	2 086.0	0.25		522.0		522.0	300.2	221.8
KEG RIVER CC	506.0	0.25		127.0		127.0	48.0	79.0
KEG RIVER DD	169.0	0.25		42.3		42.3	25.7	16.6
KEG RIVER EE	128.0	0.25		32.0		32.0	22.3	9.7
KEG RIVER FF	67.8	0.25		17.0		17.0	12.0	5.0
KEG RIVER GG	32.0	<0.04		1.0		1.0	1.0	
KEG RIVER HH	62.4	0.15		9.4		9.4	2.9	6.5
KEG RIVER II	105.0	0.25		26.3		26.3	15.9	10.4
KEG RIVER JJ	117.0	0.25		29.3		29.3	7.1	22.2
KEG RIVER KK	116.0	0.10		11.6		11.6	3.2	8.4
KEG RIVER LL	28.9	0.15		4.3		4.3	0.5	3.8
KEG RIVER MM	193.0	0.20		38.6		38.6	14.3	24.3
KEG RIVER NN	85.2	0.20		17.0		17.0	7.4	9.6
KEG RIVER OO	125.0	0.10		12.5		12.5	3.1	9.4
KEG RIVER PP	70.3	0.20		14.1		14.1	3.1	11.0
KEG RIVER QQ	268.0	0.25		67.0		67.0	29.0	38.0
KEG RIVER RR	119.0	0.25		29.8		29.8	19.8	10.0
KEG RIVER SS	428.0	0.25		107.0		107.0	43.0	64.0
KEG RIVER TT	352.0	0.25		88.0		88.0	29.1	58.9
KEG RIVER UU	86.9	0.20		17.4		17.4	8.1	9.3
KEG RIVER VV	124.0	0.25		31.0		31.0	19.5	11.5
KEG RIVER WW	486.0	0.25		122.0		122.0	35.6	86.4
KEG RIVER XX	92.3	0.15		13.8		13.8	1.6	12.2
KEG RIVER YY	45.5	0.25		11.4		11.4	8.0	3.4
KEG RIVER ZZ	103.0	0.25		25.8		25.8	11.8	14.0
KEG RIVER AAA	43.0	0.25		10.8		10.8	4.9	5.9
KEG RIVER BBB	80.2	0.25		20.1		20.1	9.5	10.6
KEG RIVER CCC	106.0	0.35		37.1		37.1	12.4	24.7
KEG RIVER DDD	65.0	0.15		9.8		9.8	2.7	7.1
KEG RIVER EEE	69.5	0.15		10.4		10.4	1.1	9.3
KEG RIVER GGG	403.0	0.20		80.6		80.6	19.5	61.1
KEG RIVER HHH	367.0	0.10		36.7		36.7	9.4	27.3
KEG RIVER III	125.0	0.10		12.5		12.5	2.7	9.8
KEG RIVER JJJ	43.7	0.25		10.9		10.9	6.3	4.6
KEG RIVER KKK	148.0	0.10		14.8		14.8	0.9	13.9
KEG RIVER LLL	245.0	0.20		49.0		49.0	9.7	39.3
KEG RIVER MMM	12.8	0.25		3.2		3.2	0.7	2.5
KEG RIVER NNN	123.0	0.20		24.6		24.6	4.9	19.7
KEG RIVER OOO	351.0	0.25		87.8		87.8	18.9	68.9
KEG RIVER PPP	116.0	0.20		23.2		23.2	5.6	17.6
KEG RIVER QQQ	333.0	0.20		66.6		66.6	22.6	44.0
KEG RIVER RRR	105.0	0.10		10.5		10.5	5.0	5.5
KEG RIVER SSS	40.9	0.10		4.1		4.1	0.3	3.8
KEG RIVER TTT	25.3	0.30		7.6		7.6	5.7	1.9
FIELD TOTAL	17 583.9			3 734.9		3 734.9	1 859.8	1 875.1
KILLAM 043-10W4								
UPPER VIKING B	318.0	0.16		50.9		50.9	47.6	3.3
UPPER VIKING C	44.4	<0.08		3.5		3.5	3.5	

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
64	8.22	0.092	0.36	0.88	42	835	39	13 890	-727.0	1 323.3	1986	91 12 - GPP
64	15.22	0.066	0.39	0.88	44	835	39	14 016	-735.8	1 425.2	1986	86 06 - GPP
128	8.84	0.060	0.29	0.88	43	835	39	13 985	-728.9	1 333.5	1986	88 02 - GPP
192	7.44	0.063	0.31	0.89	23	835	39	14 067	-714.3	1 328.8	1986	88 01 - GPP
256	9.36	0.057	0.34	0.88	45	835	38	14 143	-741.3	1 474.9	1986	87 12 - GPP
119	4.30	0.050	0.37	0.88	47	835	40	14 049	-733.1	1 334.8	1986	89 08 - GPP
200	6.00	0.054	0.43	0.91	43	854	41	14 622	-786.5	1 431.6	1986	90 12 - GPP
203	4.65	0.079	0.42	0.88	47	829	40	13 402	-719.0	1 314.1	1986	91 12 - GPP
64	2.09	0.056	0.35	0.88	43	838	39	13 481	-728.7	1 406.6	1986	91 03 - GPP
16	12.45	0.061	0.27	0.91	32	831	39	14 252	-735.0	1 339.7	1985	90 12 - GPP
16	11.20	0.060	0.39	0.84	32	834	41	13 405	-742.8	1 329.1	1985	90 06 - ABAND 92 02
128	5.97	0.056	0.32	0.91	45	835	39	14 339	-754.8	1 374.1	1986	88 07 - GPP
64	4.73	0.043	0.45	0.91	32	835	39	14 585	-748.0	1 331.6	1986	87 02 - GPP
64	2.80	0.053	0.30	0.88	43	818	39	14 306	-760.5	1 417.6	1986	87 03 - GPP
64	5.18	0.066	0.35	0.91	32	821	39	14 219	-757.7	1 394.9	1986	87 03 - GPP
64	6.44	0.066	0.44	0.88	31	836	36	13 786	-716.8	1 309.8	1986	87 04 - GPP
64	4.10	0.060	0.30	0.91	32	821	39	13 966	-762.2	1 392.8	1987	93 12 - GPP
128	12.80	0.053	0.33	0.89	41	818	39	14 327	-763.9	1 478.8	1987	92 05 - GPP
64	5.80	0.086	0.37	0.88	47	835	40	13 641	-709.8	1 274.9	1987	87 07 - GPP
320	8.59	0.047	0.35	0.91	32	824	39	14 408	-764.1	1 495.7	1987	88 06 - GPP
16	7.80	0.045	0.32	0.89	41	835	39	13 075	-717.1	1 310.5	1987	90 12 - GPP
653	5.95	0.078	0.26	0.93	23	835	39	13 923	-745.0	1 474.1	1987	89 01 - GPP
256	6.45	0.051	0.34	0.91	41	841	39	13 467	-764.8	1 495.2	1987	87 12 - GPP
64	7.90	0.056	0.33	0.89	41	835	39	13 922	-749.9	1 483.7	1986	88 01 - GPP
128	3.51	0.049	0.34	0.88	35	835	39	14 375	-755.3	1 492.3	1986	88 04 - GPP
64	4.50	0.042	0.37	0.89	41	835	39	13 256	-712.8	1 303.0	1987	88 07 - GPP
16	7.80	0.040	0.28	0.89	41	842	39	13 514	-762.8	1 470.0	1987	92 10 - GPP
32	6.00	0.050	0.27	0.89	41	842	39	13 963	-756.6	1 473.0	1987	91 12 - GPP
64	5.50	0.050	0.32	0.88	32	824	39	14 207	-764.9	1 503.8	1987	88 04 - GPP
64	6.00	0.050	0.33	0.91	32	833	39	14 321	-785.8	1 525.0	1987	88 05 - GPP
64	3.40	0.080	0.25	0.89	32	819	35	14 706	-758.3	1 468.4	1987	93 10 - GPP
16	4.80	0.058	0.27	0.89	41	820	39	14 352	-741.0	1 472.3	1987	93 06 - GPP
64	10.50	0.040	0.21	0.91	32	824	39	13 927	-769.9	1 396.6	1988	91 12 - GPP
64	5.40	0.040	0.30	0.88	47	829	36	14 298	-786.1	1 299.6	1988	93 10 - GPP
64	5.70	0.060	0.37	0.91	32	824	39	13 026	-729.0	1 296.0	1988	88 07 - GPP
32	7.25	0.049	0.32	0.91	32	824	39	14 650	-771.0	1 467.5	1987	91 12 - GPP
159	4.60	0.060	0.33	0.91	32	824	39	14 502	-764.6	1 493.6	1987	92 05 - GPP
64	6.00	0.047	0.26	0.89	41	820	39	14 196	-731.3	1 332.2	1987	88 08 - GPP
64	14.90	0.068	0.25	0.88	43	819	39	13 413	-747.4	1 479.9	1988	88 08 - GPP
128	8.17	0.050	0.26	0.91	32	824	39	14 187	-776.1	1 300.9	1988	88 12 - GPP
64	4.18	0.050	0.27	0.89	41	820	39	14 063	-771.9	1 513.7	1988	88 12 - GPP
64	6.00	0.054	0.32	0.88	43	810	39	12 673	-720.9	1 305.8	1988	89 01 - GPP
128	8.11	0.070	0.24	0.88	43	879	39	13 885	-747.6	1 481.0	1988	91 07 - GPP
64	4.80	0.056	0.39	0.88	43	810	39	12 743	-724.4	1 317.5	1988	88 08 - GPP
64	2.11	0.052	0.28	0.90	32	824	39	13 708	-801.5	1 341.2	1988	89 02 - GPP
64	4.89	0.053	0.32	0.91	32	824	39	13 901	-783.2	1 300.0	1988	89 02 - GPP
64	1.81	0.053	0.22	0.90	32	824	39	14 823	-796.1	1 480.7	1988	89 05 - GPP
64	4.07	0.050	0.30	0.88	43	819	39	12 526	-728.7	1 328.9	1988	89 06 - GPP
64	7.50	0.041	0.41	0.91	32	824	39	13 452	-791.2	1 331.7	1989	89 07 - GPP
64	2.40	0.074	0.35	0.88	47	829	40	12 228	-712.8	1 293.3	1988	89 08 - GPP
64	2.10	0.084	0.30	0.88	47	829	40	13 041	-709.8	1 299.0	1988	89 08 - GPP
128	7.59	0.062	0.24	0.88	43	819	39	12 410	-737.0	1 364.9	1989	91 06 - GPP
64	18.60	0.050	0.30	0.88	43	819	39	13 444	-777.5	1 284.7	1989	90 05 - GPP
32	12.00	0.060	0.38	0.88	47	829	40	13 118	-788.1	1 299.5	1990	91 05 - GPP
64	3.00	0.050	0.50	0.91	32	824	39	12 567	-786.5	1 332.8	1990	91 12 - GPP
64	6.83	0.060	0.36	0.88	47	828	40	13 122	-719.8	1 333.1	1990	91 05 - GPP
64	10.30	0.060	0.32	0.91	36	825	35	14 051	-770.4	1 506.9	1990	92 06 - GPP
64	0.73	0.050	0.40	0.91	32	824	39	14 663	-772.6	1 485.0	1987	91 04 - GPP
16	20.40	0.070	0.41	0.91	36	825	35	14 581	-781.0	1 516.5	1990	92 01 - GPP
128	8.60	0.050	0.30	0.91	36	825	35	10 562	-710.5	1 282.9	1991	92 06 - GPP
32	9.90	0.060	0.31	0.89	41	824	39	12 795	-742.6	1 481.4	1990	92 01 - GPP
64	9.00	0.100	0.35	0.89	41	818	39	10 603	-734.0	1 408.4	1991	91 07 - GPP
32	8.62	0.050	0.15	0.89	41	819	39	13 823	-756.9	1 359.8	1991	92 02 - GPP
32	2.70	0.070	0.24	0.89	41	818	39	13 940		1 502.9	1991	92 03 - GPP
32	3.00	0.060	0.50	0.88	43	819	39		-728.3	1 359.0	1992	93 10 - GPP
244	1.16	0.190	0.35	0.91	38	849	27	5 671	-84.5	781.4	1957	93 12 - GPP
32	1.22	0.250	0.50	0.91	39	849	28	5 721	-86.8	788.1	1971	92 03 - ABAND 92 01

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
KILLAM 043-10W4 (CONTINUED)								
UPPER VIKING E	70.0	<0.01		0.3		0.3	0.3	
UPPER VIKING H	388.0	0.10		38.8		38.8	11.6	27.2
UPPER VIKING K	134.0	0.02		2.7		2.7	0.4	2.3
GLAUCONITIC FF	4 410.0	0.45		1 985.0		1 985.0	1 460.9	524.1
GLAUCONITIC PP	280.0	0.40		112.0		112.0	43.8	68.2
ELLERSLIE JJ	494.0	0.10		49.4		49.4	3.7	45.7
ELLERSLIE KK	104.0	0.10		10.4		10.4	4.3	6.1
ELLERSLIE LL	103.0	0.10		10.3		10.3	1.7	8.6
ELLERSLIE MM	241.0	0.30		72.3		72.3	46.8	25.5
ELLERSLIE NN	913.0	0.40		365.0		365.0	256.5	108.5
ELLERSLIE OO	64.8	0.10		6.5		6.5	3.7	2.8
ELLERSLIE QQ	76.7	0.10		7.7		7.7	1.5	6.2
FIELD TOTAL *	7 640.9			2 714.8		2 714.8	1 886.3	828.5
KIM 008-26W4								
LIVINGSTONE A	397.0	<0.03		11.2		11.2	11.2	
FIELD TOTAL	397.0			11.2		11.2	11.2	
KIPP 008-23W4								
WABAMUN A	402.0	0.08		32.2		32.2	25.4	6.8
FIELD TOTAL	402.0			32.2		32.2	25.4	6.8
KITTY 086-12W5								
SLAVE POINT A	207.0	0.10		20.7		20.7	12.9	7.8
SLAVE POINT B	408.0	0.30		122.0		122.0	58.5	63.5
SLAVE POINT C	333.0	0.40		133.0		133.0	91.0	42.0
SLAVE POINT D	27.5	0.09		2.5		2.5	2.5	
SLAVE POINT E	134.0	<0.02		2.0		2.0	2.0	
SLAVE POINT F	103.0	0.05		5.2		5.2	2.0	3.2
SLAVE POINT G	34.7	0.30		10.4		10.4	8.2	2.2
SLAVE POINT H	40.0	<0.02		0.6		0.6	0.6	
SLAVE POINT I	92.0	<0.02		1.4		1.4	1.4	
SLAVE POINT J	117.0	0.25		29.3		29.3	21.1	8.2
GRANITE WASH A	83.7	<0.07		5.6		5.6	5.6	
GRANITE WASH B	121.0	0.20		24.2		24.2	0.4	23.8
GRANITE WASH C	594.0	0.10		59.4		59.4	46.4	13.0
GRANITE WASH D	114.0	0.25		28.4		28.4	6.3	22.1
GRANITE WASH E	95.8	0.10		9.6		9.6	2.2	7.4
FIELD TOTAL	2 504.7			454.3		454.3	261.1	193.2
KNAPPEN 001-11W4								
LOWER MANNVILLE A	429.0	0.12		51.5		51.5	46.8	4.7
LOWER MANNVILLE B	278.0	<0.01		0.6		0.6	0.6	
LOWER MANNVILLE C	378.0	<0.07		23.3		23.3	23.3	
LOWER MANNVILLE F	229.0	0.05		11.5		11.5	6.1	5.4
LOWER MANNVILLE H	99.4	<0.01		0.5		0.5	0.5	
FIELD TOTAL	1 413.4			87.4		87.4	77.3	10.1
KNOPCIK 074-10W6								
DOE CREEK B	311.0	<0.01		0.2		0.2	0.2	
CHARLIE LAKE A	153.0	<0.01		0.5		0.5	0.5	
CHARLIE LAKE B	90.4	0.15		13.6		13.6	10.6	3.0
CHARLIE LAKE C	117.0	0.10		11.7		11.7	1.2	10.5
CHARLIE LAKE D	116.0	0.15		17.4		17.4	6.8	10.6
BOUNDARY A	215.0	0.20		43.0		43.0	6.1	36.9
HALFWAY A	193.0	<0.01		0.5		0.5	0.5	
FIELD TOTAL	1 195.4			86.9		86.9	25.9	61.0
LA GLACE 074-08W6								
CHARLIE LAKE A	86.9	<0.01		0.1		0.1	0.1	
BOUNDARY A	222.0	0.21		46.6		46.6	44.4	2.2
HALFWAY A	10.9	0.10		1.1		1.1	0.1	1.0
FIELD TOTAL	319.8			47.8		47.8	44.6	3.2

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
64	1.50	0.160	0.50	0.91	39	854	34	6 308	-108.5	817.3	1979	79 10
160	2.15	0.210	0.41	0.91	26	851	36	4 428	-84.7	794.4	1981	84 11
64	2.40	0.170	0.46	0.95	24	857	33		-92.0	799.9	1982	90 08
400	5.36	0.260	0.14	0.92	39	910	34	5 860	-144.7	950.1	1979	91 12 - GPP
44	3.26	0.250	0.15	0.92	35	874	34	6 825	-298.7	1 018.3	1988	92 11 - GPP
112	2.36	0.260	0.21	0.91	37	899	35	5 697	-234.4	929.7	1990	93 12 - GPP
64	1.20	0.230	0.35	0.91	37	898	35	6 685	-259.7	969.4	1990	90 12 - GPP
32	2.20	0.230	0.30	0.91	37	899	35	6 618	-294.8	1 009.7	1990	91 03 - GPP
47	2.85	0.250	0.21	0.91	37	899	35	6 464	-281.2	989.0	1990	93 03 - GPP
145	3.24	0.260	0.16	0.89	33	875	39	6 495	-280.7	988.0	1991	93 01 - GPP
8	4.80	0.240	0.26	0.95	16	908	34	6 573	-290.4	1 012.4	1991	92 09 - GPP
16	3.70	0.220	0.36	0.92	48	897	37		-285.7	990.7	1992	93 07 - GPP
64	26.00	0.053	0.25	0.60	210	820	61	22 251	-1 364.0	2 335.3	1980	92 07 - ABAND 89 08
32	14.50	0.120	0.15	0.85	60	863	52	32 780	-1 229.0	2 240.5	1979	92 07 - GPP
64	9.23	0.050	0.23	0.91	31	829	46	15 617	-944.2	1 533.9	1985	87 12 - GPP
192	4.50	0.070	0.25	0.90	33	835	45	16 972	-940.8	1 504.5	1982	86 03 - GPP
64	7.19	0.098	0.17	0.89	35	836	44	16 077	-957.4	1 533.2	1984	90 06 - GPP
32	3.00	0.045	0.30	0.91	30	833	38	15 509	-933.2	1 538.5	1980	93 06 - ABAND 91 02
64	8.80	0.045	0.42	0.91	32	857	38	15 616	-911.3	1 478.3	1982	88 12 - ABAND 90 01
64	3.90	0.070	0.35	0.91	32	837	38	16 078	-949.3	1 532.4	1980	91 03 - GPP
64	1.52	0.065	0.39	0.90	33	794	40	15 427	-934.9	1 529.5	1987	88 12 - GPP
64	3.20	0.035	0.38	0.90	38	834	27	15 112	-901.1	1 484.3	1986	86 05 - ABAND 90 07
32	8.00	0.060	0.35	0.92	30	829	38	15 161	-927.4	1 488.6	1990	93 03 - ABAND 92 10
64	5.20	0.050	0.20	0.88	44	828	39	6 720	-953.0	1 515.0	1986	91 12
64	1.40	0.160	0.27	0.80	76	832	54	15 815	-965.5	1 562.7	1983	84 06 - ABAND 89 12
64	2.50	0.150	0.44	0.90	31	837	43	16 166	-983.0	1 563.5	1986	87 02 - GPP
200	1.95	0.232	0.27	0.90	34	832	43	15 258	-972.0	1 533.9	1989	92 04 - GPP
64	1.43	0.200	0.31	0.90	34	845	43	15 073	-976.8	1 532.1	1989	90 07 - GPP
32	2.40	0.220	0.37	0.90	34	845	43	14 288	-969.0	1 528.7	1990	91 09 - GPP
128	2.28	0.210	0.27	0.96	10	835	32	9 113	204.1	894.3	1956	90 12 - GPP
65	2.44	0.250	0.20	0.88	42	829	28	6 933	232.0	831.8	1965	83 12 - GPP
130	1.52	0.250	0.20	0.96	18	844	34	6 124	313.8	814.3	1965	92 07 - ABAND 91 10
64	3.70	0.200	0.45	0.88	51	830	29	6 591	228.2	810.9	1975	83 12 - GPP
64	3.10	0.130	0.59	0.94	21	835	30	3 867	271.9	804.7	1988	92 06 - ABAND 91 10
64	3.93	0.200	0.35	0.95	19	839	28	6 386	-152.7	910.7	1987	92 10
64	2.87	0.170	0.30	0.70	120	821	76	25 403	-1 364.6	2 116.8	1981	92 10
51	1.50	0.180	0.10	0.73	120	827	76	26 884	-1 549.8	2 292.3	1987	90 06
64	1.70	0.165	0.15	0.77	100	829	73	17 113	-1 557.8	2 316.2	1987	88 09 - GPP
64	1.36	0.190	0.10	0.78	79	806	76	20 868	-1 564.2	2 308.7	1988	89 08
128	2.19	0.120	0.20	0.80	74	828	64	26 825	-1 425.0	2 192.3	1992	93 11
64	7.99	0.084	0.35	0.69	149	807	64	21 776	-1 436.3	2 204.5	1982	92 10
64	2.10	0.100	0.16	0.77	100	829	73	21 338	-1 152.1	1 899.3	1987	92 10
128	1.81	0.150	0.15	0.75	126	825	74	21 497	-1 171.7	1 926.7	1959	93 12 - GPP
64	0.50	0.055	0.13	0.71	129	798	73	20 938	-1 188.0	1 954.8	1988	89 01

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
LACOMBE 039-25W4								
NISKU A	113.0	<0.12		13.5		13.5	13.5	
NISKU B	75.6	0.10		7.6		7.6	6.2	1.4
NISKU C	176.0	0.25		44.0		44.0	37.5	6.5
NISKU D	325.0	0.10		32.5		32.5	17.7	14.8
NISKU E	49.8	0.25		12.5		12.5	9.4	3.1
NISKU F	165.0	<0.01		0.1		0.1	0.1	
NISKU G	101.0	0.10		10.1		10.1	2.8	7.3
NISKU H	51.7	<0.06		2.7		2.7	2.7	
FIELD TOTAL	1 057.1			123.0		123.0	89.9	33.1
LAIT 002-10W4								
LOWER MANNVILLE G	35.8	0.10		3.6		3.6	1.7	1.9
FIELD TOTAL	35.8			3.6		3.6	1.7	1.9
LANAWAY 036-03W5								
CARDIUM	2 922.0	0.10		292.0		292.0	215.4	76.6
CARDIUM B	292.0	<0.01		0.6		0.6	0.6	
CARDIUM C	732.0	0.05		36.6		36.6	34.3	2.3
CARDIUM D	92.9	0.10		9.3		9.3	4.1	5.2
CARDIUM E	47.9	0.10		4.8		4.8	1.5	3.3
SECOND WHITE	334.0	0.04		13.4		13.4	12.4	1.0
SPECKS A								
VIKING B	98.8	0.10		9.9		9.9	7.5	2.4
MANNVILLE	3 500.0	0.10		350.0		350.0	251.0	99.0
MANNVILLE B	320.0	0.05		16.0		16.0	6.7	9.3
MANNVILLE C	23.0	<0.02		0.3		0.3	0.3	
MANNVILLE D	145.0	0.10		14.5		14.5	12.7	1.8
MANNVILLE E	391.0	<0.01		1.3		1.3	1.3	
MANNVILLE F	223.0	<0.01		0.3		0.3	0.3	
MANNVILLE G	108.0	0.10		10.8		10.8	5.9	4.9
GLAUCONITIC A & BASAL QUARTZ A	229.0	<0.01		1.0		1.0	1.0	
JURASSIC-RUNDLE A	940.0	0.25		235.0		235.0	61.2	173.8
ELKTON A	1 200.0	0.03		36.0		36.0	26.3	9.7
PEKISKO A	101.0	<0.03		2.7		2.7	2.7	
D-2 A	243.0	0.20		48.6		48.6	21.4	27.2
D-3 A	245.0	<0.01		2.4		2.4	2.4	
FIELD TOTAL	12 187.6			1 085.5		1 085.5	669.0	416.5
LARNE 116-03W6								
MUSKEG B	144.0	<0.07		9.1		9.1	9.1	
KEG RIVER A	350.0	<0.06		19.1		19.1	19.1	
KEG RIVER B	340.0	0.10		34.0		34.0	24.0	10.0
KEG RIVER C	424.0	0.20		84.8		84.8	62.6	22.2
KEG RIVER D	397.0	0.20		79.4		79.4	62.8	16.6
KEG RIVER E	335.0	0.25		83.8		83.8	52.7	31.1
KEG RIVER F	125.0	<0.09		10.7		10.7	10.7	
KEG RIVER G	286.0	<0.16		44.0		44.0	44.0	
KEG RIVER H	413.0	<0.03		11.8		11.8	11.8	
KEG RIVER I	478.0	<0.05		19.6		19.6	19.6	
KEG RIVER J	510.0	<0.02		7.7		7.7	7.7	
KEG RIVER K	397.0	0.15		59.6		59.6	54.6	5.0
KEG RIVER L	292.0	<0.04		9.4		9.4	9.4	
KEG RIVER M	280.0	<0.03		8.0		8.0	8.0	
KEG RIVER N	238.0	<0.07		14.5		14.5	14.5	
KEG RIVER O	138.0	<0.20		26.9		26.9	26.9	
KEG RIVER P	342.0	<0.05		13.9		13.9	13.9	
KEG RIVER Q	157.0	<0.07		10.6		10.6	10.6	
KEG RIVER R	159.0	<0.20		30.4		30.4	30.4	
KEG RIVER S	600.0	0.03		18.0		18.0	14.8	3.2
KEG RIVER T	276.0	<0.02		2.9		2.9	2.9	
KEG RIVER U	168.0	<0.04		5.2		5.2	5.2	
KEG RIVER V	428.0	0.05		21.4		21.4	13.0	8.4
KEG RIVER W	272.0	<0.02		3.4		3.4	3.4	
KEG RIVER X	79.3	<0.06		4.5		4.5	4.5	
KEG RIVER Y	92.9	<0.03		2.3		2.3	2.3	
KEG RIVER Z	160.0	0.10		16.0		16.0	3.9	12.1
KEG RIVER AA	100.0	<0.02		1.7		1.7	1.7	
KEG RIVER BB	80.3	<0.04		2.9		2.9	2.9	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
64	6.18	0.060	0.32	0.70	106	819	70	16 621	-1 071.4	1 993.7	1958	78 12 - ABAND 89 11
64	4.20	0.055	0.30	0.73	105	810	73	16 553	-1 062.3	1 982.0	1982	85 03 - GPP
128	3.05	0.076	0.15	0.70	143	822	67	17 125	-1 063.1	1 977.2	1977	91 12 - GPP
128	4.70	0.100	0.26	0.73	110	825	74	18 290	-1 096.0	2 056.3	1986	92 12 - GPP
64	2.30	0.060	0.17	0.68	143	823	67	18 265	-1 096.4	2 057.3	1988	93 12 - GPP
64	5.00	0.090	0.18	0.70	130	810	77	18 292	-1 099.7	2 052.4	1988	89 03 - ABAND 91 09
32	5.20	0.100	0.19	0.75	117	809	78	16 810	-1 096.4	2 074.9	1989	91 12 - GPP
65	2.44	0.059	0.20	0.69	106	805	70	18 168	-1 084.2	2 025.1	1962	75 12 - ABAND 70 09
64	1.50	0.130	0.67	0.87	57	838	32	7 968	126.1	808.3	1990	91 06
1 869	2.35	0.110	0.28	0.84	53	825	54	21 839	-832.5	1 812.7	1960	82 07
129	3.66	0.090	0.22	0.88	53	839	54	21 506	-790.0	1 773.6	1972	73 12 - ABAND 73 11
256	4.30	0.110	0.28	0.84	53	825	54	20 523	-804.0	1 776.9	1960	86 12 - GPP
128	1.00	0.120	0.28	0.84	52	841	58	21 872	-842.4	1 819.5	1984	86 01 - GPP
64	1.80	0.080	0.35	0.80	89	822	59	16 479	-857.7	1 820.8	1982	83 11
65	8.53	0.120	0.30	0.72	89	865	59	21 996	-895.5	1 859.9	1977	83 12 - GPP
64	2.80	0.105	0.30	0.75	100	833	63	9 182	-1 005.2	1 948.3	1987	88 03
846	6.60	0.110	0.25	0.76	71	876	60	16 728	-1 300.3	2 265.5	1959	83 11
64	6.80	0.124	0.22	0.76	76	853	76	18 841	-1 341.0	2 316.2	1981	84 01
64	1.00	0.090	0.50	0.80	88	853	64	18 791	-1 328.6	2 303.8	1981	82 06 - ABAND 86 12
64	3.70	0.120	0.25	0.68	134	861	72	18 748	-1 322.5	2 294.2	1981	83 03
64	15.90	0.100	0.52	0.80	100	892	66	18 501	-1 369.6	2 356.3	1982	84 12 - ABAND 88 09
64	6.00	0.150	0.43	0.68	152	843	82	16 215	-1 285.0	2 237.8	1980	84 07
64	2.10	0.125	0.20	0.80	93	880	45	18 723	-1 310.3	2 291.2	1986	87 04 - GPP
128	4.07	0.090	0.39	0.80	82	874	60	16 407	-1 226.2	2 180.3	1979	82 05 - GPP
64	15.70	0.150	0.19	0.77	99	876	64	17 147	-1 364.8	2 351.0	1988	89 10
261	7.00	0.120	0.27	0.75	103	904	74	18 228	-1 403.0	2 390.0	1973	88 01 - GPP
64	5.26	0.060	0.35	0.77	99	876	64	17 589	-1 319.7	2 267.3	1977	92 10
64	10.70	0.055	0.14	0.75	95	810	75	23 855	-1 891.4	2 866.2	1985	86 07 - GPP
65	7.92	0.100	0.15	0.56	261	788	82	24 355	-1 944.0	2 927.9	1964	73 02
35	17.68	0.040	0.35	0.90	35	898	64	13 741	-1 058.9	1 407.3	1972	80 11 - ABAND 88 12
12	51.90	0.078	0.20	0.90	22	887	69	13 558	-1 051.5	1 429.8	1968	90 12 - ABAND 91 03
17	37.45	0.075	0.20	0.89	37	898	61	13 553	-1 050.0	1 415.8	1968	83 12 - GPP
10	58.21	0.092	0.10	0.88	46	898	61	13 803	-1 052.0	1 426.9	1968	92 12 - GPP
9	72.10	0.089	0.21	0.87	38	876	70	13 891	-1 066.8	1 467.3	1968	83 01 - GPP
17	39.93	0.070	0.20	0.88	31	876	72	13 569	-1 033.8	1 425.2	1968	93 12
21	29.75	0.032	0.30	0.89	37	892	61	12 374	-960.9	1 323.6	1969	88 12 - GPP
13	47.61	0.061	0.15	0.89	35	898	63	13 502	-1 051.9	1 410.3	1969	93 10 - ABAND 93 06
14	56.93	0.071	0.18	0.89	27	887	62	13 183	-1 055.1	1 417.5	1971	88 12 - ABAND 90 03
13	47.37	0.098	0.10	0.88	39	881	62	13 164	-1 056.2	1 408.9	1971	81 12
15	41.04	0.107	0.13	0.89	35	887	61	12 540	-1 054.7	1 421.1	1971	83 12
13	49.85	0.083	0.18	0.90	35	887	61	13 394	-1 054.0	1 408.2	1971	85 12 - GPP
11	58.61	0.066	0.22	0.88	43	887	50	13 226	-1 093.5	1 444.3	1971	86 12 - ABAND 90 01
12	38.60	0.084	0.18	0.88	35	892	64	13 240	-1 062.2	1 411.5	1972	84 12
27	22.77	0.055	0.20	0.88	33	892	54	14 415	-1 047.3	1 396.9	1971	81 12 - ABAND 89 11
7	40.14	0.064	0.15	0.90	31	904	64	14 913	-1 058.0	1 406.7	1971	86 12 - GPP
16	38.10	0.078	0.20	0.90	35	910	70	13 449	-1 060.6	1 410.5	1972	80 11 - ABAND 88 12
14	17.98	0.078	0.11	0.90	27	904	63	13 658	-1 062.7	1 411.7	1971	81 12 - ABAND 82 02
25	18.17	0.049	0.20	0.89	45	881	62	13 693	-1 064.4	1 413.4	1969	93 03 - ABAND 92 11
28	57.33	0.070	0.40	0.89	22	869	80	13 712	-1 057.7	1 445.5	1982	88 07 - GPP
16	43.50	0.060	0.25	0.88	38	920	61	13 700	-1 062.0	1 416.6	1983	88 12 - ABAND 86 12
19	23.10	0.050	0.13	0.88	38	909	61	12 977	-1 060.7	1 408.5	1983	88 12 - ABAND 91 11
11	51.70	0.114	0.25	0.88	38	894	61	12 717	-1 052.2	1 408.3	1983	92 12 - GPP
14	25.10	0.100	0.12	0.88	47	919	62	13 332	-1 056.9	1 408.9	1984	92 10
12	19.50	0.050	0.23	0.88	43	884	48	13 121	-1 037.4	1 415.4	1972	85 12 - GPP
16	11.00	0.075	0.20	0.88	32	889	72	13 395	-1 037.5	1 426.5	1985	89 12
14	28.01	0.060	0.20	0.85	54	880	59	13 404	-1 092.6	1 445.8	1985	87 01 - GPP
16	18.14	0.045	0.13	0.88	35	900	54	12 741	-1 036.5	1 401.0	1985	92 09 - ABAND 92 07
16	19.00	0.040	0.25	0.88	35	917	57	12 892	-1 034.4	1 407.5	1985	92 09 - ABAND 92 07

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
LARNE 116-03W6 (CONTINUED)								
KEG RIVER CC	120.0	0.25		30.0		30.0	11.2	18.8
KEG RIVER DD	235.0	0.10		23.5		23.5	7.8	15.7
KEG RIVER EE	95.0	0.15		14.3		14.3	11.2	3.1
KEG RIVER FF	70.0	0.10		7.0		7.0	3.2	3.8
KEG RIVER GG	33.9	0.20		6.8		6.8	4.7	2.1
KEG RIVER HH	150.0	0.25		37.5		37.5	21.3	16.2
KEG RIVER II	51.5	<0.03		1.2		1.2	1.2	
KEG RIVER JJ	74.4	0.06		4.5		4.5	4.5	
KEG RIVER KK	27.5	0.25		6.9		6.9	3.6	3.3
KEG RIVER LL	260.0	0.10		26.0		26.0	16.4	9.6
KEG RIVER MM	212.0	0.05		10.6		10.6	3.2	7.4
KEG RIVER NN	418.0	0.15		62.7		62.7	6.9	55.8
KEG RIVER OO	538.0	0.20		108.0		108.0	6.8	101.2
FIELD TOTAL	10 346.8			994.6		994.6	649.0	345.6
LATOR 063-02W6								
DUNVEGAN A	1 540.0	0.10		154.0		154.0	141.8	12.2
DUNVEGAN B	184.0	0.10		18.4		18.4	0.4	18.0
FIELD TOTAL	1 724.0			172.4		172.4	142.2	30.2
LATORNELL 063-01W6								
DUNVEGAN A	109.0	<0.02		1.3		1.3	1.3	
FIELD TOTAL	109.0			1.3		1.3	1.3	
LEAHURST 039-18W4								
VIKING E	293.0	<0.01		0.1		0.1	0.1	
MANNVILLE C	70.5	<0.02		1.0		1.0	1.0	
MANNVILLE M	153.0	0.10		15.3		15.3	3.9	11.4
MANNVILLE V	82.8	0.25		20.7		20.7	11.2	9.5
GLAUCONITIC B	2 724.0	0.20		545.0		545.0	76.3	468.7
GLAUCONITIC C	192.0	0.05		9.6		9.6	3.3	6.3
GLAUCONITIC D	550.0	0.20		110.0		110.0	9.2	100.8
BASAL QUARTZ A	110.0	0.05		5.5		5.5	1.6	3.9
BASAL QUARTZ B	45.9	<0.01		0.2		0.2	0.2	
BASAL QUARTZ C	137.0	<0.01		1.2		1.2	1.2	
BASAL QUARTZ E	188.0	<0.01		0.2		0.2	0.2	
FIELD TOTAL	4 546.2			708.8		708.8	108.2	600.6
LEAMAN 055-12W5								
LOWER MANNVILLE G	359.0	0.10		35.9		35.9	23.4	12.5
LOWER MANNVILLE M	152.0	<0.03		4.2		4.2	4.2	
NORDEGG A	287.0	0.03		8.6		8.6	2.5	6.1
NORDEGG C	1 600.0	0.15		240.0		240.0	82.4	157.6
FIELD TOTAL *	2 398.0			288.7		288.7	112.5	176.2
LEDUC-WOODBEND 050-26W4								
BLAIRMORE A	1 450.0	0.20		290.0		290.0	279.2	10.8
BLAIRMORE B	27.1	<0.08		2.1		2.1	2.1	
BLAIRMORE C	62.4	<0.01		0.1		0.1	0.1	
BLAIRMORE D	404.0	<0.03		9.8		9.8	9.8	
BLAIRMORE E	608.0	<0.04		23.3		23.3	23.3	
BLAIRMORE G	130.0	<0.01		0.7		0.7	0.7	
BLAIRMORE H	37.4	<0.02		0.4		0.4	0.4	
BLAIRMORE J	1 502.0	0.45		676.0		676.0	627.5	48.5
BLAIRMORE K	307.0	<0.14		41.9		41.9	41.9	
BLAIRMORE Q	403.0	<0.02		4.7		4.7	4.7	
BLAIRMORE CC	254.0	0.02		5.1		5.1	1.0	4.1
BLAIRMORE KK	248.0	<0.01		1.5		1.5	1.5	
BLAIRMORE NN	496.0	0.05		24.8		24.8	3.4	21.4
BLAIRMORE QQ	191.0	0.10		19.1		19.1	1.5	17.6
BLAIRMORE RR	221.0	0.10		22.1		22.1	1.8	20.3
BLAIRMORE W & X	122.0	0.10		12.2		12.2		12.2
GLAUCONITIC A	305.0	0.03		9.2		9.2	1.6	7.6
GLAUCONITIC B	116.0	0.10		11.6		11.6	0.5	11.1
D-1 A	159.0	<0.03		4.0		4.0	3.9	0.1

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
13	17.63	0.070	0.15	0.88	37	894	62	13 570	-1 081.5	1 431.3	1985	87 12 - GPP
14	29.77	0.072	0.11	0.88	35	898	79	12 520	-1 038.7	1 395.0	1985	90 12 - GPP
16	19.84	0.040	0.15	0.88	32	878	65	13 623	-1 026.4	1 418.0	1985	91 12 - GPP
13	16.00	0.045	0.15	0.88	35	804	63	13 218	-1 023.0	1 407.0	1985	91 12 - GPP
16	14.88	0.021	0.23	0.88	35	907	63	12 911	-1 027.4	1 407.5	1986	91 12 - GPP
30	20.21	0.037	0.24	0.88	35	892	63	12 989	-1 033.1	1 400.8	1986	87 01 - GPP
16	30.00	0.020	0.39	0.88	35	891	63	13 709	-1 049.8	1 409.0	1986	89 12
16	16.51	0.040	0.20	0.88	35	899	63	13 140	-1 028.4	1 400.3	1986	92 09 - ABAND 92 07
16	12.00	0.025	0.35	0.88	35	881	77	13 315	-1 030.6	1 416.0	1986	91 12 - GPP
10	53.20	0.064	0.13	0.88	47	893	62	14 844	-1 087.4	1 475.6	1987	90 12 - GPP
64	17.30	0.029	0.25	0.88	47	860	62	13 584	-1 084.8	1 432.6	1987	92 12
64	17.00	0.056	0.22	0.88	47	892	62	13 478	-1 076.4	1 426.1	1987	88 05 - GPP
16	59.00	0.080	0.19	0.88	47	893	62	13 229	-1 052.9	1 409.5	1991	92 08
612	2.83	0.174	0.30	0.73	119	829	67	22 930	-1 104.1	2 161.5	1956	71 04 - GPP
64	6.73	0.091	0.30	0.67	200	830	82	24 563	-1 202.1	2 401.7	1979	80 06
16	10.54	0.125	0.30	0.74	119	830	67	12 267	-977.4	1 934.0	1985	92 11 - ABAND 93 02
64	7.40	0.125	0.45	0.90	35	876	43	6 635	-311.7	1 100.9	1982	88 12
64	0.92	0.210	0.40	0.95	18	892	44	10 567	-461.3	1 262.6	1973	84 12 - GPP
64	2.70	0.150	0.38	0.95	16	877	39	10 672	-483.9	1 283.8	1982	82 12 - GPP
100	1.00	0.150	0.40	0.92	88	843	52	10 792	-425.1	1 198.0	1989	93 12
192	8.90	0.240	0.19	0.82	78	880	41	9 717	-428.5	1 279.8	1992	92 11
32	4.10	0.210	0.15	0.82	80	845	48		-432.7	1 289.8	1992	93 06
32	13.30	0.210	0.25	0.82	78	855	50	9 696	-429.5	1 267.4	1992	92 11
64	2.50	0.150	0.46	0.85	57	897	55	10 820	-475.2	1 299.7	1978	84 12
64	1.10	0.150	0.45	0.79	88	860	55	10 666	-490.8	1 303.9	1979	84 12
64	2.40	0.150	0.30	0.85	66	873	46	9 430	-466.3	1 235.2	1980	80 12 - ABAND 84 07
64	3.50	0.145	0.32	0.85	58	868	43	8 784	-433.0	1 259.6	1986	92 10
192	2.94	0.122	0.34	0.79	87	886	71	16 286	-957.3	1 886.5	1981	85 09 - GPP
32	9.60	0.180	0.68	0.86	52	927	61	12 257	-834.7	1 645.3	1985	91 10 - ABAND 89 06
128	3.78	0.130	0.47	0.86	65	878	50	12 648	-857.9	1 620.9	1981	93 12
460	5.32	0.160	0.53	0.87	52	923	57	12 364	-836.9	1 624.2	1985	88 09
338	3.90	0.183	0.23	0.78	94	834	57	9 940	-605.1	1 308.8	1951	81 12 - GPP
16	1.86	0.150	0.25	0.81	93	834	57	9 731	-595.4	1 298.0	1951	71 12 - ABAND 62 06
16	4.57	0.150	0.28	0.79	93	825	58	10 170	-615.4	1 352.7	1952	62 05 - ABAND 56 08
69	8.23	0.150	0.45	0.86	53	887	57	10 482	-646.3	1 381.8	1952	74 04 - ABAND 74 03
65	10.97	0.150	0.28	0.79	98	825	60	10 436	-646.6	1 347.9	1952	62 10 - GPP
16	9.45	0.150	0.28	0.79	93	825	59	10 240	-649.6	1 354.0	1953	68 03 - ABAND 54 11
16	2.74	0.150	0.28	0.79	93	825	56	9 760	-580.8	1 278.5	1950	68 03 - ABAND 51 05
406	3.29	0.200	0.24	0.74	93	825	54	9 786	-585.6	1 287.6	1948	91 07 - GPP
119	3.05	0.143	0.28	0.82	98	825	62	10 474	-654.6	1 356.6	1951	82 12 - GPP
64	6.00	0.190	0.30	0.79	83	826	54	9 973	-592.9	1 300.3	1948	88 12 - ABAND 91 11
64	4.60	0.150	0.28	0.80	98	825	60	10 217	-613.0	1 317.0	1953	79 12 - GPP
64	4.00	0.220	0.45	0.80	83	827	54	9 552	-604.0	1 304.3	1983	83 11
64	7.00	0.200	0.30	0.79	83	837	42	9 712	-620.7	1 356.2	1949	86 11 - GPP
64	3.00	0.180	0.30	0.79	83	827	45	9 520	-574.8	1 284.7	1948	88 10
64	5.70	0.160	0.52	0.79	83	826	54	9 362	-616.5	1 354.5	1985	91 12
16	6.71	0.180	0.20	0.79	83	826	54		-582.8	1 289.3	1951	93 07
64	4.60	0.180	0.36	0.90	33	840	45	9 208	-562.9	1 306.5	1984	89 12 - GPP
32	3.20	0.190	0.30	0.85	62	861	62	10 105	-567.1	1 311.2	1991	92 02
65	5.39	0.074	0.25	0.82	71	820	58	9 973	-643.6	1 355.7	1963	75 12 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
LEDUC-WOODBEND 050-26W4 (CONTINUED)								
D-1 B	54.7	<0.18		9.8		9.8	9.8	
D-2 A WATER FLOOD	32 700.0	0.34	0.10	11 120.0	3 270.0	14 390.0	14 216.5	173.5
D-2 B	12 500.0	0.27		3 375.0		3 375.0	3 289.7	85.3
D-2 C	413.0	0.54		223.0		223.0	216.3	6.7
D-2 D	99.5	0.60		59.7		59.7	57.4	2.3
D-2 E	192.0	0.63		121.0		121.0	119.8	1.2
D-2 F	318.0	0.20		63.6		63.6	57.9	5.7
D-2 H	55.2	<0.01		0.4		0.4	0.4	
D-3 A WATER FLOOD	61 200.0	<0.56	0.10	33 700.0	6 120.0	39 820.0	39 531.6	288.4
D-3 B	2 380.0	0.52		1 238.0		1 238.0	1 215.2	22.8
D-3 C	144.0	<0.52		73.7		73.7	73.7	
D-3 D	113.0	<0.40		44.3		44.3	44.3	
D-3 E	403.0	0.10		40.3		40.3	33.3	7.0
D-3 F	1 035.0	0.57		590.0		590.0	574.3	15.7
D-3 G	153.0	0.30		45.9		45.9	20.8	25.1
D-3 H	105.0	<0.04		3.8		3.8	3.8	
D-3 I	118.0	<0.07		7.5		7.5	7.5	
D-3 J	180.0	0.20		36.0		36.0	24.6	11.4
D-3 K	84.3	<0.01		0.3		0.3	0.3	
D-3 L	72.5	<0.01		0.6		0.6	0.6	
D-3 M	213.0	<0.01		0.1		0.1	0.1	
D-3 N	76.1	<0.06		4.2		4.2	4.2	
FIELD TOTAL	119 652.2			51 915.8	9 390.0	61 305.8	60 507.0	798.8
LEGAL 057-25W4								
MIDDLE VIKING A	434.0	0.52		226.0		226.0	217.4	8.6
MANNVILLE B	37.1	<0.03		1.0		1.0	1.0	
D-3 A	32.4	<0.01		0.1		0.1	0.1	
FIELD TOTAL	503.5			227.1		227.1	218.5	8.6
LELAND 059-25W5								
CARDIUM A	102.0	<0.01		0.5		0.5	0.5	
SECOND WHITE SPECKS B	113.0	<0.01		0.7		0.7	0.7	
FIELD TOTAL	215.0			1.2		1.2	1.2	
LEO 036-17W4								
UPPER MANNVILLE A	772.0	0.10		77.2		77.2	36.2	41.0
UPPER MANNVILLE C	333.0	0.05		16.7		16.7	5.0	11.7
UPPER MANNVILLE D	163.0	0.15		24.5		24.5	15.8	8.7
UPPER MANNVILLE E	481.0	0.03		14.4		14.4	3.4	11.0
UPPER MANNVILLE F	442.0	0.03		13.3		13.3	4.0	9.3
UPPER MANNVILLE H	207.0	0.10		20.7		20.7	3.3	17.4
UPPER MANNVILLE J	127.0	0.05		6.4		6.4	3.1	3.3
FIELD TOTAL	2 525.0			173.2		173.2	70.8	102.4
LESSARD 124-17W5								
KEG RIVER A	161.0	0.30		48.3		48.3	18.2	30.1
KEG RIVER B	139.0	0.04		5.6		5.6	5.6	
KEG RIVER C	165.0	<0.06		9.8		9.8	9.8	
FIELD TOTAL	465.0			63.7		63.7	33.6	30.1
LITTLE HORSE 077-12W5								
SLAVE POINT A	79.7	<0.01		0.2		0.2	0.2	
GILWOOD A	138.0	0.05		6.9		6.9	3.8	3.1
GILWOOD B	120.0	0.15		18.0		18.0	9.3	8.7
GILWOOD C	322.0	0.25		80.5		80.5	20.6	59.9
GILWOOD E	772.0	0.25		193.0		193.0	69.4	123.6
GILWOOD F	82.6	<0.01		0.4		0.4	0.4	
GILWOOD G	38.5	0.10		3.9		3.9	1.2	2.7
GILWOOD H	143.0	0.25		35.8		35.8	8.9	26.9
FIELD TOTAL	1 695.8			338.7		338.7	113.8	224.9
LITTLE SMOKY 067-22W5								
D-3	397.0	0.50		199.0		199.0	196.2	2.8

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
98	0.91	0.100	0.25	0.82	74	820	54	9 074	-492.9	1 197.0	1964	68 03 - GPP
9 169	18.90	0.034	0.26	0.75	115	834	63	12 739	-870.1	1 603.7	1947	91 12 - GPP
4 641	11.33	0.048	0.34	0.75	98	834	60	12 824	-865.0	1 603.9	1950	85 05 - GPP
309	5.18	0.043	0.20	0.75	110	834	62	12 842	-914.5	1 658.6	1950	87 12 - GPP
110	8.08	0.020	0.30	0.80	109	834	63	12 927	-891.9	1 619.0	1951	88 12 - GPP
128	9.02	0.028	0.30	0.85	109	834	62	12 927	-886.8	1 576.7	1950	81 12 - GPP
199	8.29	0.033	0.24	0.77	111	834	64	13 140	-915.8	1 653.1	1960	77 12 - GPP
16	22.70	0.030	0.35	0.78	87	833	65	11 490	-889.9	1 612.4	1991	93 04 - ABAND 92 12
8 812	10.77	0.100	0.14	0.75	98	825	66	13 213	-915.5	1 625.3	1947	85 12 - GPP
751	7.99	0.060	0.13	0.76	85	825	66	13 226	-917.3	1 650.2	1948	88 12 - GPP
53	5.18	0.080	0.13	0.76	85	825	67	13 293	-927.3	1 649.4	1950	71 12 - ABAND 71 10
24	8.84	0.080	0.13	0.76	85	825	67	13 200	-913.5	1 588.6	1949	72 05 - ABAND 66 01
65	10.67	0.090	0.14	0.75	85	825	48	11 783	-927.6	1 648.4	1967	83 12 - GPP
81	20.91	0.093	0.10	0.73	94	825	61	11 823	-942.1	1 659.4	1968	90 12 - GPP
65	4.27	0.090	0.19	0.76	103	839	66	11 886	-965.5	1 703.1	1950	75 11 - GPP
64	4.00	0.065	0.17	0.76	99	847	74	13 091	-933.8	1 659.2	1984	86 03 - GPP
32	5.50	0.100	0.12	0.76	98	833	66	11 447	-933.8	1 653.3	1985	90 12 - ABAND 90 12
64	7.00	0.066	0.20	0.76	99	848	54	11 915	-958.3	1 690.5	1985	91 12 - GPP
64	1.70	0.120	0.15	0.76	94	812	67	11 678	-954.2	1 685.3	1985	86 06 - ABAND 88 05
64	2.30	0.090	0.28	0.76	94	826	63	11 814	-964.9	1 701.0	1985	86 06 - ABAND 88 05
64	6.30	0.080	0.13	0.76	94	838	63	11 258	-921.0	1 648.9	1985	89 12 - ABAND 91 09
65	1.22	0.150	0.20	0.80	115	845	66	12 480	-1 049.2	1 762.4	1961	75 12 - ABAND 70 05
233	1.50	0.180	0.25	0.92	36	876	36	5 953	-143.0	853.4	1952	92 12 - GPP
16	1.83	0.190	0.25	0.89	30	876	43	6 996	-361.5	1 070.5	1950	68 03 - ABAND 66 06
16	3.20	0.090	0.12	0.80	55	946	44	11 456	-770.8	1 458.3	1984	85 02 - ABAND 86 11
64	3.00	0.100	0.23	0.69	150	822	71	21 103	-940.6	2 207.5	1980	88 12
64	3.00	0.120	0.29	0.69	140	823	80	23 133	-1 197.4	2 464.3	1980	85 02
149	4.36	0.200	0.34	0.90	37	855	39	8 310	-320.8	1 155.4	1983	88 02 - GPP
128	3.08	0.160	0.40	0.88	51	855	35	6 792	-336.6	1 165.5	1975	87 07 - GPP
64	1.80	0.220	0.27	0.88	53	844	40	8 076	-327.0	1 155.8	1977	93 12 - GPP
64	7.92	0.154	0.30	0.88	45	865	40	7 256	-308.9	1 141.7	1978	85 12 - GPP
64	6.70	0.156	0.25	0.88	43	855	28	8 051	-317.9	1 146.7	1971	79 12 - GPP
32	4.00	0.240	0.26	0.91	33	869	39	7 680	-314.9	1 148.0	1987	88 09
64	1.60	0.220	0.38	0.91	33	870	39	8 186	-317.7	1 154.2	1988	89 06 - GPP
64	7.00	0.050	0.19	0.89	32	895	56	9 760	-673.7	978.5	1974	86 12
16	42.80	0.030	0.25	0.90	32	889	50	10 067	-708.6	1 014.5	1984	92 12 - ABAND 90 03
64	52.00	0.010	0.43	0.87	42	880	60	10 053	-692.7	996.5	1985	86 05 - ABAND 90 03
64	1.30	0.150	0.29	0.90	30	839	57	17 816	-1 186.5	1 893.9	1985	89 12 - ABAND 91 02
64	2.73	0.126	0.27	0.86	69	828	65	20 433	-1 300.9	2 038.6	1987	92 12 - GPP
64	3.90	0.127	0.56	0.86	50	840	61	20 092	-1 270.6	1 993.6	1987	92 05
96	3.75	0.130	0.20	0.86	42	831	63	20 042	-1 262.5	1 997.1	1986	93 06
310	2.40	0.200	0.39	0.85	30	824	64	20 602	-1 317.0	2 046.4	1987	93 03
64	1.80	0.130	0.38	0.89	45	849	56	19 277	-1 268.0	1 975.3	1988	92 10
32	2.00	0.130	0.45	0.84	58	831	64	19 160	-1 222.0	1 954.0	1992	93 02 - GPP
64	3.19	0.160	0.48	0.84	58	831	64		-1 176.2	1 871.5	1992	92 12
97	12.44	0.068	0.18	0.59	205	825	90	27 896	-1 983.3	2 668.2	1954	76 12 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
LITTLE SMOKY 067-22W5 (CONTINUED) FIELD TOTAL	397.0			199.0		199.0	196.2	2.8
LOCHEND 027-03W5								
CARDIUM D	57.0	0.10		5.7		5.7	0.5	5.2
CARDIUM F	35.8	0.03		1.1		1.1	1.1	
CARDIUM G	150.0	0.10		15.0		15.0	3.2	11.8
CARDIUM H	141.0	0.10		14.1		14.1	5.6	8.5
CARDIUM I	58.6	0.15		8.8		8.8	7.0	1.8
CARDIUM J	122.0	0.10		12.2		12.2	2.4	9.8
CARDIUM K	219.0	0.05		11.0		11.0	1.6	9.4
CARDIUM L	78.8	0.10		7.9		7.9	4.6	3.3
CARDIUM M	96.3	0.15		14.4		14.4	9.2	5.2
CARDIUM A,C & E	11 270.0	<0.06		640.0		640.0	585.7	54.3
VIKING A	115.0	<0.02		2.0		2.0	2.0	
BANFF A	100.0	0.20		20.0		20.0	4.2	15.8
FIELD TOTAL	12 443.5			752.2		752.2	627.1	125.1
LOMOND 018-23W4								
GLAUCONITIC A	58.0	<0.02		0.8		0.8	0.8	
ELLERSLIE A	67.1	<0.02		0.8		0.8	0.8	
ELLERSLIE B	101.0	<0.01		0.4		0.4	0.4	
ELLERSLIE C	82.5	<0.01		0.1		0.1	0.1	
SAWTOOTH A	154.0	<0.03		4.3		4.3	4.3	
FIELD TOTAL	462.6			6.4		6.4	6.4	
LONE PINE CREEK 030-28W4								
ELLERSLIE A	149.0	0.10		14.9		14.9	2.9	12.0
D-2 A	500.0	0.20		100.0		100.0	70.8	29.2
D-3 A	2 350.0	<0.02		29.2		29.2	29.1	0.1
FIELD TOTAL	2 999.0			144.1		144.1	102.8	41.3
LONG COULEE 016-21W4								
GLAUCONITIC A	91.1	0.10		9.1		9.1	6.5	2.6
GLAUCONITIC F	877.0	0.10		87.7		87.7	64.5	23.2
GLAUCONITIC H	360.0	0.20		72.0		72.0	44.4	27.6
GLAUCONITIC I	118.0	0.10		11.8		11.8	8.9	2.9
GLAUCONITIC J	298.0	0.20		59.6		59.6	40.1	19.5
GLAUCONITIC N	106.0	<0.02		1.1		1.1	1.1	
GLAUCONITIC Q	2 701.0	0.15		405.0		405.0	106.4	298.6
GLAUCONITIC R	543.0	0.10		54.3		54.3	29.1	25.2
GLAUCONITIC T	275.0	0.30		82.5		82.5	45.3	37.2
GLAUCONITIC U	190.0	0.10		19.0		19.0	4.4	14.6
GLAUCONITIC V	101.0	<0.01		0.1		0.1	0.1	
GLAUCONITIC X	89.0	<0.01		0.4		0.4	0.4	
GLAUCONITIC BB	166.0	0.10		16.6		16.6	0.1	16.5
GLAUCONITIC CC	122.0	0.20		24.4		24.4	20.3	4.1
GLAUCONITIC II	42.7	<0.01		0.2		0.2	0.2	
GLAUCONITIC JJ	18.3	0.15		2.7		2.7	0.3	2.4
SUNBURST C	265.0	<0.01		1.3		1.3	1.3	
SUNBURST F	301.0	0.10		30.1		30.1	6.8	23.3
SUNBURST H	106.0	0.10		10.6		10.6	3.1	7.5
SUNBURST I GAS FLOOD	1 214.0	0.15	0.05	182.0	60.7	243.0	146.3	96.7
SUNBURST K	3 003.0	0.10		300.0		300.0	99.0	201.0
SUNBURST L	345.0	0.10		34.5		34.5	1.6	32.9
SUNBURST N	174.0	0.15		26.1		26.1	6.1	20.0
SUNBURST P	1 830.0	0.10		183.0		183.0	13.5	169.5
ELLERSLIE A	194.0	0.10		19.4		19.4	3.5	15.9
SAWTOOTH D	285.0	0.10		28.5		28.5	0.8	27.7
FIELD TOTAL	13 815.1			1 662.0	60.7	1 723.0	654.1	1 068.9
LOON 085-09W5								
SLAVE POINT D	78.8	0.05		3.9		3.9	3.1	0.8
SLAVE POINT E	508.0	0.02		10.2		10.2	5.1	5.1
SLAVE POINT G	6 600.0	0.05		330.0		330.0	198.6	131.4
SLAVE POINT I	355.0	0.05		17.8		17.8	0.4	17.4
SLAVE POINT J	82.1	0.15		12.3		12.3	7.2	5.1

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
64	2.00	0.100	0.45	0.81	119	834	68	20 458	-885.0	2 103.8	1983	84 11 - GPP
64	1.32	0.062	0.10	0.76	110	834	52	20 373	-874.1	2 058.2	1985	85 09 - GPP
64	3.30	0.110	0.15	0.76	110	848	58	21 628	-1 069.9	2 349.7	1981	82 03 - GPP
64	3.10	0.110	0.10	0.72	125	824	68	18 772	-935.3	2 221.6	1980	87 04 - GPP
64	1.30	0.109	0.15	0.76	115	824	57	18 360	-980.0	2 223.5	1982	89 12 - GPP
64	3.90	0.080	0.15	0.72	135	824	56	25 069	-1 002.8	2 287.7	1983	83 06 - GPP
64	5.60	0.090	0.15	0.80	94	827	58	20 648	-909.4	2 183.3	1986	87 09 - GPP
64	1.80	0.100	0.10	0.76	109	825	54	25 562	-927.6	2 198.9	1985	88 01 - GPP
64	2.20	0.100	0.10	0.76	105	820	56	27 532	-1 110.7	2 274.7	1986	93 12 - GPP
9 984	1.65	0.100	0.10	0.76	109	825	54	25 495	-1 046.7	2 266.5	1981	92 12 - GPP
16	12.00	0.110	0.22	0.70	140	831	70	24 388	-1 274.6	2 517.1	1981	89 12 - GPP
64	28.00	0.010	0.56	0.56	248	837	99	40 592	-1 872.9	3 099.7	1991	91 12
32	1.80	0.180	0.30	0.80	94	857	46	9 905	-588.3	1 641.0	1985	91 10 - ABAND 89 03
64	1.80	0.130	0.44	0.80	95	874	44	14 624	-626.9	1 599.8	1981	82 09 - ABAND 87 08
64	2.75	0.120	0.40	0.80	81	868	44	14 450	-609.0	1 631.0	1985	85 12 - ABAND 87 08
64	2.20	0.120	0.39	0.80	81	868	44	14 954	-643.6	1 696.3	1985	85 11 - ABAND 89 03
64	4.00	0.150	0.50	0.80	85	868	50	13 800	-649.8	1 691.5	1984	85 03 - ABAND 88 06
64	4.20	0.100	0.35	0.85	66	886	43	14 284	-1 149.4	2 124.8	1958	90 10 - GPP
497	2.92	0.070	0.22	0.63	155	825	71	22 308	-1 430.5	2 369.3	1965	89 04 - GPP
1 616	3.96	0.080	0.15	0.54	237	806	82	22 916	-1 492.6	2 442.8	1963	82 12 - GPP
32	3.00	0.180	0.38	0.85	60	900	39	12 272	-462.5	1 414.9	1982	93 01 - GPP
320	2.38	0.180	0.20	0.80	94	834	46	10 977	-485.0	1 489.7	1967	90 06 - GPP
196	1.59	0.190	0.24	0.80	94	838	46	12 087	-499.0	1 448.9	1981	92 12 - GPP
64	2.30	0.150	0.33	0.80	94	854	46	12 946	-443.8	1 413.0	1982	84 12 - GPP
252	1.47	0.150	0.33	0.80	94	858	46	13 884	-532.9	1 536.5	1986	92 12 - GPP
64	2.44	0.150	0.50	0.90	39	829	38	13 501	-470.8	1 412.3	1976	83 12 - GPP
1 308	1.65	0.180	0.21	0.88	80	848	43	13 341	-509.8	1 508.4	1983	92 06 - GPP
256	1.88	0.170	0.21	0.84	66	865	41	11 299	-523.5	1 478.1	1980	88 11 - GPP
29	6.56	0.210	0.14	0.80	92	872	38	12 375	-367.5	1 290.7	1987	90 07 - GPP
64	3.40	0.180	0.40	0.81	90	853	41	13 511	-631.0	1 651.8	1981	81 08 - GPP
64	2.30	0.150	0.43	0.80	93	834	46	11 914	-358.5	1 242.0	1989	89 10 - ABAND 91 02
64	1.40	0.170	0.27	0.80	92	872	38	12 396	-370.1	1 285.1	1986	90 07 - GPP
64	2.40	0.180	0.25	0.80	94	834	46	11 743	-504.7	1 488.8	1990	90 10 - GPP
64	2.00	0.170	0.30	0.80	94	858	46	12 493	-529.2	1 505.7	1983	90 12 - GPP
16	2.30	0.180	0.25	0.86	63	850	41	13 471	-605.2	1 545.7	1992	93 12 - ABAND 93 01
32	1.00	0.130	0.45	0.80	94	834	46	12 466	-545.1	1 521.3	1992	92 10 - GPP
65	4.27	0.200	0.40	0.80	83	860	43	13 617	-476.4	1 452.1	1974	89 12 - ABAND 93 03
64	7.00	0.200	0.60	0.84	68	844	38	13 823	-542.0	1 517.1	1979	84 05 - GPP
64	1.52	0.200	0.35	0.84	67	860	45	12 668	-423.5	1 342.8	1976	77 12 - GPP
654	2.73	0.170	0.50	0.80	94	834	46	13 106	-502.7	1 416.6	1989	93 06 - GPP
1 016	4.24	0.150	0.44	0.83	80	849	43	12 612	-515.1	1 521.3	1991	92 06 - GPP
374	1.22	0.160	0.43	0.83	80	849	43	11 113	-568.3	1 574.5	1989	93 09 - GPP
128	2.18	0.160	0.50	0.78	112	825	42	11 952	-508.0	1 432.8	1992	93 12 - GPP
542	4.31	0.160	0.41	0.83	80	848	43	12 838	-469.6	1 462.4	1992	93 10 - GPP
64	4.00	0.120	0.30	0.90	168	750	43	13 832	-519.7	1 442.7	1979	80 04 - GPP
64	3.20	0.260	0.33	0.80	95	914	35	12 684	-393.0	1 292.7	1985	86 04 - GPP
64	4.50	0.050	0.37	0.87	45	820	44	13 975	-844.9	1 372.7	1980	85 03 - GPP
64	11.40	0.090	0.15	0.91	29	827	44	14 259	-854.5	1 381.4	1983	87 12 - GPP
1 690	9.16	0.070	0.30	0.87	44	830	44	14 656	-803.8	1 327.7	1985	92 08 - GPP
64	18.30	0.060	0.42	0.87	18	825	38	15 168	-864.5	1 399.8	1987	90 06 - GPP
64	4.03	0.062	0.41	0.87	47	834	40	15 885	-885.4	1 414.7	1986	93 12 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
LOON 085-09W5 (CONTINUED)								
SLAVE POINT K	218.0	0.02		4.4		4.4	2.5	1.9
SLAVE POINT C & GRANITE WASH B	2 019.0	0.09		182.0		182.0	138.0	44.0
SLAVE POINT A & GRANITE WASH J TOT	6 234.0			279.0	111.0	390.0	311.9	78.1
PRIMARY AREA	3 441.0	<0.06		195.0		195.0		
WATER FLOOD AREA	2 793.0	<0.04	0.04	84.1	111.0	195.0		
GRANITE WASH A	630.0	0.20		126.0		126.0	114.3	11.7
GRANITE WASH C	170.0	0.20		34.0		34.0	32.1	1.9
GRANITE WASH D	194.0	<0.03		4.1		4.1	4.1	
GRANITE WASH E	1 861.0	0.25		466.0		466.0	188.2	277.8
GRANITE WASH H	74.3	0.04		3.0		3.0	2.1	0.9
GRANITE WASH I	162.0	<0.01		1.3		1.3	1.3	
GRANITE WASH K	341.0	0.20		68.2		68.2	23.9	44.3
GRANITE WASH L	188.0	0.05		9.4		9.4	6.3	3.1
GRANITE WASH M	392.0	0.10		39.2		39.2	7.1	32.1
GRANITE WASH N	91.6	0.15		13.7		13.7	1.6	12.1
GRANITE WASH O	28.8	0.10		2.9		2.9	0.4	2.5
FIELD TOTAL	20 227.6			1 607.4	111.0	1 718.4	1 048.2	670.2
LOUSANA 036-21W4								
D-2	447.0	0.35		156.0		156.0	138.3	17.7
FIELD TOTAL	447.0			156.0		156.0	138.3	17.7
LUBICON 087-10W5								
GRANITE WASH B	420.0	0.25		105.0		105.0	75.4	29.6
GRANITE WASH C	318.0	0.20		63.6		63.6	49.6	14.0
GRANITE WASH D	236.0	0.05		11.8		11.8	4.1	7.7
FIELD TOTAL	974.0			180.4		180.4	129.1	51.3
LUNNFORD 059-03W5								
ELLERSLIE D	322.0	0.05		16.1		16.1	4.1	12.0
FIELD TOTAL	322.0			16.1		16.1	4.1	12.0
MAJORVILLE 018-19W4								
UPPER MANNVILLE B	1 627.0	0.20		325.0		325.0	241.6	83.4
UPPER MANNVILLE C	297.0	0.10		29.7		29.7	13.0	16.7
UPPER MANNVILLE G	136.0	0.15		20.4		20.4	1.5	18.9
UPPER MANNVILLE H	101.0	<0.03		3.0		3.0	3.0	
UPPER MANNVILLE I	52.0	0.05		2.6		2.6	0.9	1.7
UPPER MANNVILLE O	77.2	0.10		7.7		7.7	0.6	7.1
UPPER MANNVILLE P	50.8	0.20		10.2		10.2	2.5	7.7
LOWER MANNVILLE A	160.0	0.05		8.0		8.0	6.0	2.0
LOWER MANNVILLE C	82.0	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE D	48.2	<0.01		0.1		0.1	0.1	
FIELD TOTAL	2 631.2			407.1		407.1	269.6	137.5
MALMO 043-22W4								
BLAIRMORE A	1 270.0	0.18		229.0		229.0	198.1	30.9
ELLERSLIE C	142.0	0.03		4.3		4.3	3.0	1.3
ELLERSLIE D	55.3	<0.01		0.1		0.1	0.1	
ELLERSLIE F	112.0	0.05		5.6		5.6	3.0	2.6
D-2 A	2 570.0	0.45		1 157.0		1 157.0	1 148.5	8.5
D-2 B	15.8	0.30		4.7		4.7	0.8	3.9
D-3 A	1 600.0	0.52		832.0		832.0	806.3	25.7
D-3 C	71.1	<0.02		0.8		0.8	0.8	
D-3 D	120.0	<0.01		1.0		1.0	1.0	
FIELD TOTAL	5 956.2			2 234.5		2 234.5	2 161.6	72.9
MANIR 072-03W6								
CHARLIE LAKE A	4 065.0	0.15		610.0		610.0	248.1	361.9
CHARLIE LAKE E	271.0	<0.01		0.1		0.1	0.1	
CHARLIE LAKE F	135.0	<0.01		0.1		0.1	0.1	
CHARLIE LAKE G	173.0	0.10		17.3		17.3	5.5	11.8
CHARLIE LAKE H	159.0	0.15		23.9		23.9	11.0	12.9

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
64	6.42	0.088	0.29	0.85	60	850	32	7 000	-848.7	1 376.9	1985	90 12 - GPP
437	5.57	0.160	0.39	0.85	55	828	45	15 699	-903.5	1 432.8	1982	93 01 - GPP
1 914					24	820	48	15 370	-872.7	1 431.6	1965	93 01 - GPP
768	12.19	0.065	0.35	0.87								
1 146	7.55	0.053	0.30	0.87								
652	1.25	0.127	0.30	0.87	51	820	77	16 627	-965.3	1 540.0	1965	87 10 - GPP
128	1.98	0.116	0.32	0.85	51	845	49	16 274	-967.4	1 567.8	1985	88 12 - GPP
64	3.40	0.150	0.30	0.85	64	830	42	17 024	-936.8	1 469.5	1982	86 03 - ABAND 90 03
640	3.38	0.157	0.37	0.87	48	835	36	15 438	-895.2	1 417.6	1985	87 12 - GPP
32	3.00	0.150	0.40	0.86	51	821	49	16 243	-955.8	1 538.5	1985	92 12 - GPP
64	3.00	0.160	0.38	0.85	55	829	48	16 529	-946.6	1 488.8	1983	87 07 - ABAND 90 03
64	5.20	0.180	0.33	0.85	55	830	48	15 553	-948.9	1 472.2	1987	88 05 - GPP
64	3.00	0.170	0.33	0.86	51	821	49	13 958	-953.7	1 511.0	1988	91 12 - GPP
64	5.30	0.190	0.30	0.87	39	837	41	15 264	-959.4	1 484.1	1989	90 02 - GPP
64	3.20	0.130	0.60	0.86	51	821	49	16 275	-976.1	1 504.3	1984	90 04 - GPP
64	1.17	0.080	0.44	0.86	51	821	49	15 154	-961.3	1 564.3	1981	92 02 - GPP
182	4.93	0.069	0.14	0.84	55	839	70	14 580	-917.1	1 787.7	1960	92 12 - GPP
73	4.22	0.220	0.27	0.85	60	834	34	15 568	-912.8	1 451.0	1968	86 12 - GPP
60	3.39	0.233	0.21	0.85	60	834	44	15 991	-912.0	1 440.2	1962	86 12 - GPP
64	3.00	0.213	0.33	0.86	57	846	37	15 953	-942.4	1 483.5	1986	89 12 - GPP
128	3.74	0.150	0.49	0.88	47	889	34	8 124	-444.1	1 121.5	1991	92 11 - GPP
208	4.92	0.220	0.15	0.85	58	887	60	11 940	-433.8	1 369.2	1974	93 03 - GPP
65	3.03	0.240	0.26	0.85	58	887	60	12 827	-491.3	1 424.3	1975	76 09 - GPP
64	2.00	0.180	0.30	0.84	72	870	40	12 205	-454.4	1 380.8	1986	87 05 - GPP
64	2.00	0.140	0.32	0.83	70	872	42	12 258	-472.6	1 380.5	1981	82 06 - ABAND 88 04
16	4.30	0.130	0.30	0.83	73	846	32	11 887	-426.9	1 347.8	1987	92 07 - GPP
64	1.70	0.150	0.45	0.86	65	868	40	11 837	-420.9	1 349.9	1991	92 06 - GPP
64	0.91	0.170	0.46	0.95	45	890	42	12 095	-448.9	1 394.6	1992	92 09 - GPP
64	3.66	0.160	0.50	0.85	66	876	40	12 907	-419.5	1 344.3	1976	85 12 - GPP
64	1.80	0.135	0.38	0.85	60	872	40	12 469	-434.7	1 387.1	1987	92 10 - ABAND 91 10
16	3.30	0.200	0.45	0.83	83	903	45	11 969	-469.6	1 386.7	1986	92 09 - ABAND 92 06
203	4.08	0.252	0.24	0.80	78	825	56	10 504	-643.1	1 467.9	1952	90 12 - GPP
64	2.00	0.240	0.45	0.84	69	843	55	9 236	-621.7	1 401.0	1983	92 12 - GPP
64	1.20	0.170	0.45	0.77	95	882	66	9 194	-579.9	1 390.4	1989	90 01 - ABAND 89 11
36	4.50	0.230	0.65	0.86	56	828	53		-609.5	1 411.7	1976	93 09 - GPP
573	15.30	0.047	0.20	0.78	95	834	57	11 537	-723.0	1 535.8	1952	86 12 - GPP
16	3.20	0.050	0.20	0.77	94	828	57	11 595	-688.4	1 518.4	1953	92 12 - GPP
220	15.54	0.070	0.12	0.76	111	834	58	14 921	-780.5	1 598.9	1952	92 12 - GPP
65	2.44	0.067	0.12	0.76	111	829	56	14 947	-848.3	1 630.4	1965	73 02 - GPP
16	16.90	0.074	0.25	0.80	70	886	50	12 568	-850.7	1 638.9	1979	92 11 - ABAND 91 07
2 100	2.75	0.147	0.43	0.84	56	873	50	15 557	-1 019.7	1 680.6	1986	88 07 - GPP
64	7.33	0.093	0.26	0.84	60	836	47	15 411	-1 017.7	1 695.1	1987	92 10 - GPP
64	3.73	0.110	0.39	0.84	60	825	67	16 051	-1 096.6	1 804.2	1987	88 06 - GPP
64	2.20	0.190	0.17	0.78	80	839	63	16 217	-1 118.3	1 834.9	1984	85 08 - GPP
64	1.84	0.194	0.13	0.80	76	850	50	15 648	-1 062.6	1 818.5	1985	85 09 - GPP

TABLE 2-6

FIELD POOL	1 INITIAL VOLUME IN PLACE 10 ³ m ³	2 3		4 5 6			7 CUMULATIVE PRODUCTION 10 ³ m ³	8 REMAINING ESTABLISHED RESERVES 10 ³ m ³
		RECOVERY		INITIAL ESTABLISHED RESERVES				
		PRIMARY frac	ENHANCED frac	PRIMARY 10 ³ m ³	ENHANCED 10 ³ m ³	TOTAL 10 ³ m ³		
MANIR 072-03W6 (CONTINUED) FIELD TOTAL	4 803.0			651.4		651.4	264.8	386.6
MANITO 042-20W4 GLAUCONITIC A	167.0	<0.01		1.5		1.5	1.5	
ELLERSLIE A,B,C & D	163.0	<0.01		0.4		0.4	0.4	
FIELD TOTAL	330.0			1.9		1.9	1.9	
MANOLA 059-02W5 LOWER MANNVILLE E	1 639.0	0.05		82.0		82.0	38.8	43.2
LOWER MANNVILLE F	275.0	0.05		13.8		13.8	5.0	8.8
LOWER MANNVILLE H	346.0	0.05		17.3		17.3	2.9	14.4
LOWER MANNVILLE I	461.0	0.10		46.1		46.1	10.8	35.3
LOWER MANNVILLE K	228.0	0.10		22.8		22.8	6.4	16.4
LOWER MANNVILLE L	250.0	0.10		25.0		25.0	5.1	19.9
FIELD TOTAL	3 199.0			207.0		207.0	69.0	138.0
MANYBERRIES 005-05W4 GLAUCONITIC A	38.7	0.10		3.9		3.9	0.2	3.7
SUNBURST A	500.0	0.18		90.0		90.0	86.7	3.3
SUNBURST B	2 234.0	0.18		402.0		402.0	341.6	60.4
SUNBURST C	644.0	0.22		142.0		142.0	119.6	22.4
SUNBURST J	281.0	0.10		28.1		28.1	23.2	4.9
SUNBURST L	147.0	<0.02		2.4		2.4	2.4	
SUNBURST O	1 840.0	0.14		258.0		258.0	207.3	50.7
SUNBURST Q TOTAL	3 761.0			762.0	462.0	1 224.0	689.6	534.4
PRIMARY AREA	463.0	0.22		102.0		102.0		
WATER FLOOD AREA	3 298.0	0.20	0.14	660.0	462.0	1 122.0		
SUNBURST U	419.0	0.10		41.9		41.9	33.2	8.7
SUNBURST AA	288.0	0.10		28.8		28.8	6.8	22.0
SUNBURST CC	90.5	<0.01		0.6		0.6	0.6	
SUNBURST FF	130.0	0.10		13.0		13.0	1.4	11.6
SUNBURST HH	450.0	0.05		22.5		22.5	6.9	15.6
SUNBURST II	149.0	0.15		22.4		22.4	15.4	7.0
SUNBURST JJ TOTAL	2 201.0			330.0	264.0	594.0	466.8	127.2
PRIMARY AREA	879.0	0.15		132.0		132.0		
WATER FLOOD AREA	1 322.0	0.15	0.20	198.0	264.0	462.0		
SUNBURST KK	1 906.0	0.12		229.0		229.0	171.6	57.4
SUNBURST LL	547.0	0.16		87.5		87.5	85.0	2.5
SUNBURST OO	1 700.0	0.15		255.0		255.0	205.1	49.9
SUNBURST SS	256.0	0.05		12.8		12.8	8.1	4.7
SUNBURST VV	794.0	0.20		159.0		159.0	90.0	69.0
SUNBURST WW	150.0	0.10		15.0		15.0	4.4	10.6
SUNBURST YY	114.0	0.05		5.7		5.7	0.1	5.6
SUNBURST ZZ	430.0	0.05		21.5		21.5	2.0	19.5
SUNBURST AAA	66.9	0.15		10.0		10.0	2.0	8.0
SUNBURST BBB	190.0	0.35		66.5		66.5	58.5	8.0
SUNBURST CCC	31.1	0.20		6.2		6.2	4.5	1.7
SUNBURST DDD	114.0	0.05		5.7		5.7	0.1	5.6
SUNBURST GGG	15.4	0.10		1.5		1.5	0.4	1.1
SUNBURST HHH	106.0	0.10		10.6		10.6	0.6	10.0
SWIFT B	680.0	0.10		68.0		68.0	50.9	17.1
JURASSIC A	36.1	0.15		5.4		5.4	0.2	5.2
FIELD TOTAL	20 309.7			3 107.0	726.0	3 833.0	2 685.2	1 147.8
MARKERVILLE 036-02W5 VIKING A	100.0	0.20		20.0		20.0	17.9	2.1
VIKING B	105.0	<0.01		0.3		0.3	0.3	
VIKING C	21.0	0.04		0.8		0.8	0.3	0.5
JURASSIC A	211.0	0.05		10.6		10.6	2.3	8.3
PEKISKO B	320.0	<0.01		0.4		0.4	0.4	
FIELD TOTAL	757.0			32.1		32.1	21.2	10.9
MARLBORD 055-19W5 GETHING A	273.0	<0.01		1.2		1.2	1.2	
GETHING B	165.0	<0.01		0.3		0.3	0.3	
FIELD TOTAL	438.0			1.5		1.5	1.5	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS*	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
64 16	2.80 9.20	0.160 0.190	0.30 0.27	0.83 0.80	70 47	850 856	41 42	9 131 9 492	-471.9 -504.3	1 265.6 1 298.0	1980 1980	81 02 92 11
781 128 64 182 102 64	2.63 2.69 5.00 2.36 2.30 2.30	0.170 0.180 0.180 0.190 0.180 0.230	0.46 0.49 0.31 0.35 0.38 0.16	0.87 0.87 0.87 0.87 0.87 0.88	54 55 54 57 57 55	891 891 911 892 892 893	37 37 34 33 33 35	8 349 8 415 8 358 9 055 8 708	-439.9 -447.0 -433.0 -420.7 -421.5 -431.4	1 077.1 1 083.6 1 066.5 1 074.9 1 072.1 1 081.3	1984 1985 1986 1990 1991 1992	92 11 - GPP 91 12 - GPP 89 12 - GPP 92 06 92 06 92 08
64 192 719 359 183 65 310 778	1.00 1.93 2.74 1.30 1.12 1.52 6.63	0.090 0.210 0.200 0.260 0.230 0.270 0.210	0.27 0.30 0.37 0.39 0.30 0.35 0.51	0.92 0.92 0.90 0.87 0.85 0.85 0.87	32 66 48 66 51 53 71	824 834 829 839 883 855 839	33 36 30 34 37 37 35	9 073 9 117 9 153 9 091 9 052 9 046 9 064	-91.6 -97.1 -104.8 -88.1 -93.9 -96.5 -98.5	1 157.5 1 142.4 1 178.2 1 129.3 1 151.7 1 270.6 1 117.0	1987 1962 1955 1967 1963 1972 1971	89 06 86 07 - GPP 91 12 93 04 - GPP 84 03 - GPP 75 12 - GPP 92 05
160 618 64 64 32 32 128 64 530 258 272 793 257 388 130 223 64 32 64 64 100 32 64 32 64 128 16	3.08 5.68 4.00 6.50 2.10 4.69 3.62 2.00 2.85 4.06 2.58 1.32 4.66 1.72 3.30 3.00 4.30 4.80 1.40 1.25 1.01 1.50 0.80 1.50 4.10 2.00	0.180 0.180 0.250 0.140 0.220 0.140 0.180 0.195 0.200 0.200 0.170 0.260 0.180 0.210 0.170 0.130 0.180 0.240 0.130 0.250 0.170 0.220 0.150 0.240 0.210 0.240	0.40 0.40 0.23 0.45 0.28 0.27 0.38 0.38 0.35 0.35 0.37 0.32 0.40 0.40 0.31 0.34 0.50 0.33 0.34 0.30 0.35 0.38 0.54 0.50 0.29 0.50	0.87 0.87 0.85 0.90 0.85 0.85 0.87 0.96 0.92 0.92 0.87 0.91 0.87 0.91 0.92 0.87 0.87 0.87 0.87 0.87 0.87 0.92 0.87 0.94	32 66 66 32 32 60 50 14 28	824 834 829 839 883 855 837 837 834	33 36 30 34 37 37 34 35 40	9 073 9 117 9 153 9 091 9 052 9 046 9 064 9 176 9 232	-91.6 -97.1 -104.8 -88.1 -93.9 -96.5 -98.5 -81.6 -96.8	1 157.5 1 142.4 1 178.2 1 129.3 1 151.7 1 270.6 1 117.0 1 064.4 1 118.2	1987 1962 1955 1967 1963 1972 1971 1984 1970	89 06 86 07 - GPP 91 12 93 04 - GPP 84 03 - GPP 75 12 - GPP 92 05 81 02 84 11 - GPP 92 10 89 08 - GPP 86 11 - GPP 91 12 93 12
258 272 793 257 388 130 223 64 32 64 64 100 32 64 32 64 128 16	2.85 4.06 2.58 1.32 4.66 1.72 3.30 3.00 4.30 4.80 1.40 1.25 1.01 1.50 0.80 1.50 4.10 2.00	0.200 0.200 0.170 0.260 0.180 0.210 0.170 0.130 0.180 0.240 0.130 0.250 0.170 0.220 0.150 0.240 0.210 0.240	0.35 0.35 0.37 0.32 0.40 0.40 0.31 0.34 0.50 0.33 0.34 0.30 0.35 0.38 0.54 0.50 0.29 0.50	0.92 0.92 0.87 0.91 0.87 0.91 0.87 0.87 0.87 0.87 0.87 0.87 0.87 0.87 0.87 0.92 0.87 0.94	57 66 57 28 32 28 66 32 32 57 66 57 57 71 32 57 25	839 839 838 825 824 824 839 838 838 838 838 838 838 838 838 838 838 933	32 34 32 40 33 33 34 32 32 32 32 32 32 32 32 32 29	9 096 9 439 9 267 9 233 8 078 7 643 7 704 7 381 9 045 9 131 8 967 9 038 9 249 9 047 8 600	-90.4 -91.0 -83.0 -97.2 -97.4 -93.1 -100.6 -75.7 -81.5 -92.1 -104.5 -92.2 -99.0 -100.4 -93.8 -179.8	1 075.7 1 167.6 1 057.0 1 174.7 1 158.3 1 111.5 1 166.2 1 046.4 1 043.3 1 151.4 1 283.4 1 190.1 1 128.4 1 137.8 1 064.2 1 222.3	1970 1984 1977 1955 1988 1988 1988 1988 1988 1967 1991 1990 1983 1981 1986 1992	89 04 - GPP 92 05 87 08 - GPP 92 02 - GPP 90 12 89 01 - GPP 91 12 89 06 - GPP 89 10 - GPP 92 12 - GPP 91 12 91 07 - GPP 92 04 - GPP 92 11 93 06 92 09 - GPP
167 64 16 32 64	1.84 3.10 2.00 5.70 19.80	0.070 0.120 0.120 0.190 0.050	0.38 0.41 0.35 0.21 0.36	0.75 0.75 0.84 0.77 0.79	102 95 51 104 79	833 852 840 888 879	66 63 71 69 74	12 907 9 713 12 918 15 760 14 731	-976.6 -971.1 -977.8 -1 223.6 -1 274.6	1 904.5 1 905.3 1 920.6 2 163.2 2 217.3	1976 1977 1985 1990 1980	85 04 - GPP 83 12 - ABAND 82 10 92 12 91 05 81 08 - ABAND 83 04
65 65	7.32 4.27	0.120 0.120	0.20 0.17	0.60 0.60	239 239	825 820	97 68	35 213 34 963	-1 655.0 -1 618.0	2 802.0 2 765.5	1969 1969	74 05 - ABAND 70 09 73 02 - ABAND 75 11

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
MARLOWE 122-22W5								
KEG RIVER A	698.0	0.20		140.0		140.0	27.7	112.3
KEG RIVER B	255.0	0.20		51.0		51.0	18.4	32.6
FIELD TOTAL	953.0			191.0		191.0	46.1	144.9
MATZIWIN 023-14W4								
GLAUCONITIC A	1 798.0	0.03		53.9		53.9	41.7	12.2
GLAUCONITIC B	187.0	0.10		18.7		18.7	5.1	13.6
LOWER MANNVILLE D	112.0	<0.04		4.2		4.2	4.2	
LOWER MANNVILLE E	498.0	0.10		49.8		49.8	11.7	38.1
LOWER MANNVILLE F	200.0	0.10		20.0		20.0	5.4	14.6
PEKISKO D	406.0	0.15		60.9		60.9	39.5	21.4
FIELD TOTAL *	3 201.0			207.5		207.5	107.6	99.9
MCLEANS CREEK 074-21W5								
GILWOOD A	767.0	0.10		76.7		76.7	39.2	37.5
GILWOOD C	263.0	<0.01		1.2		1.2	1.2	
GILWOOD D	86.3	0.20		17.3		17.3	6.6	10.7
GILWOOD E	66.8	<0.01		0.2		0.2	0.2	
GILWOOD F	291.0	0.20		58.2		58.2	33.4	24.8
GILWOOD G	56.0	0.15		8.4		8.4	4.1	4.3
GILWOOD H	94.0	0.10		9.4		9.4	6.7	2.7
GRANITE WASH A	91.1	<0.06		5.3		5.3	5.3	
FIELD TOTAL	1 715.2			176.7		176.7	96.7	80.0
MCLEOD 056-14W5								
CARDIUM A	213.0	0.15		32.0		32.0	25.3	6.7
CARDIUM B	267.0	<0.03		6.1		6.1	6.1	
GETHING E	119.0	<0.01		0.7		0.7	0.7	
GETHING F	293.0	0.10		29.3		29.3	3.3	26.0
GETHING G	183.0	0.10		18.3		18.3	1.5	16.8
GETHING J	83.9	0.15		12.6		12.6	7.7	4.9
GETHING K	112.0	0.10		11.2		11.2	1.7	9.5
GETHING L	200.0	0.15		30.0		30.0	14.7	15.3
ROCK CREEK C	40.1	0.20		8.0		8.0	2.2	5.8
FIELD TOTAL	1 511.0			148.2		148.2	63.2	85.0
MEDICINE RIVER 039-03W5								
CARDIUM A	81.4	0.02		1.6		1.6	0.5	1.1
CARDIUM B	154.0	0.08		12.3		12.3	3.7	8.6
VIKING A	63.4	<0.06		3.5		3.5	3.5	
VIKING D TOTAL	4 008.0			756.0	465.0	1 221.0	777.2	443.8
PRIMARY AREA	907.0	0.15		136.0		136.0		
WATER FLOOD AREA	3 101.0	0.20	0.15	620.0	465.0	1 085.0		
VIKING N	62.7	<0.03		1.6		1.6	1.6	
VIKING P	56.7	0.10		5.7		5.7	3.1	2.6
GLAUCONITIC A TOTAL	15 550.0			1 455.0	1 075.0	2 530.0	2 182.5	347.5
PRIMARY AREA	5 782.0	0.07		405.0		405.0		
WATER FLOOD AREA	9 770.0	<0.11	0.11	1 050.0	1 075.0	2 125.0		
GLAUCONITIC H	228.0	<0.01		0.5		0.5	0.5	
GLAUCONITIC I	140.0	0.05		7.0		7.0	0.7	6.3
GLAUCONITIC J	106.0	0.06		6.4		6.4	5.5	0.9
GLAUC D & OSTRACOD A TOTAL	2 181.0			327.0	321.0	648.0	528.0	120.0
PRIMARY AREA	575.0	0.15		86.3		86.3		
WATER FLOOD AREA	1 606.0	0.15	0.20	241.0	321.0	562.0		
OSTRACOD B	461.0	0.20		92.2		92.2	74.5	17.7
OSTRACOD C	585.0	0.28		164.0		164.0	153.6	10.4
OSTRACOD P	116.0	<0.01		0.5		0.5	0.5	
OSTRACOD R	64.0	<0.03		1.4		1.4	1.4	
OSTRACOD S	111.0	0.12		13.3		13.3	12.6	0.7
OSTRACOD Y	53.7	<0.02		0.8		0.8	0.8	
OSTRACOD AA	45.3	0.15		6.8		6.8		6.8
BASAL QUARTZ B TOTAL	5 800.0			406.0	145.0	551.0	442.0	109.0
PRIMARY AREA	2 900.0	0.07		203.0		203.0		
WATER FLOOD AREA	2 900.0	0.07	0.05	203.0	145.0	348.0		
BASAL QUARTZ C	64.8	<0.01		0.5		0.5	0.5	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
64	80.50	0.019	0.19	0.88	43	825	52	10 742	-791.1	1 342.8	1986	89 06
64	39.00	0.020	0.42	0.88	35	858	51	10 400	-749.0	1 317.5	1968	91 01 - GPP
445	4.55	0.190	0.45	0.85	68	883	32	9 829	-284.3	1 000.2	1983	86 12 - GPP
64	4.30	0.160	0.50	0.85	64	880	32	9 714	-283.6	1 004.5	1985	85 11 - GPP
64	1.70	0.190	0.36	0.85	62	887	32	9 411	-299.0	1 013.2	1983	92 10
128	4.46	0.180	0.43	0.85	60	850	35	9 508	-296.0	1 012.4	1986	86 11 - GPP
32	6.10	0.180	0.38	0.92	33	919	34	9 555	-302.5	1 019.6	1987	88 11 - GPP
309	4.69	0.050	0.37	0.89	47	894	34	10 521	-306.8	1 021.5	1983	93 10
318	2.87	0.160	0.41	0.89	32	838	58	27 089	-1 936.9	2 529.7	1985	91 12 - GPP
64	5.71	0.147	0.41	0.83	50	837	85	26 790	-1 946.0	2 528.0	1987	92 10
64	2.54	0.122	0.50	0.87	36	854	86	25 864	-1 948.1	2 587.8	1986	87 12 - GPP
64	2.19	0.099	0.42	0.83	50	834	89	27 725	-1 979.9	2 575.3	1987	92 10
244	1.80	0.120	0.38	0.89	36	834	86	28 382	-1 985.1	2 587.2	1987	89 08
32	3.08	0.110	0.42	0.89	36	835	86	26 067	-2 007.4	2 626.0	1988	91 12 - GPP
32	3.23	0.140	0.27	0.89	23	827	90	27 143	-1 975.4	2 578.2	1988	91 12 - GPP
32	3.50	0.140	0.30	0.83	50	837	85	27 930	-1 970.9	2 558.2	1987	92 10
72	5.02	0.100	0.30	0.84	62	834	53	9 077	-640.8	1 526.9	1972	84 12 - GPP
65	6.10	0.090	0.12	0.85	61	875	52	9 207	-565.9	1 353.8	1963	75 12 - ABAND 75 03
64	2.90	0.120	0.37	0.85	52	883	72	13 755	-1 137.1	2 023.2	1985	92 03 - ABAND 91 12
64	4.40	0.165	0.16	0.75	102	856	74	17 365	-1 228.4	2 123.9	1986	87 04 - GPP
64	2.80	0.160	0.15	0.75	120	856	67	15 987	-1 243.9	2 164.7	1986	87 07 - GPP
64	3.90	0.120	0.60	0.70	150	825	70	17 019	-1 211.6	2 058.1	1983	93 12 - GPP
64	3.20	0.123	0.39	0.73	102	856	76	16 618	-1 264.4	2 124.0	1986	86 12
79	5.02	0.120	0.40	0.70	156	825	82	21 985	-1 256.7	2 221.9	1988	91 12
64	1.00	0.110	0.24	0.75	92	850	78	18 270	-1 103.6	2 205.5	1990	90 07
64	1.52	0.124	0.10	0.75	106	898	49	19 326	-712.2	1 659.2	1963	84 12 - GPP
65	2.44	0.160	0.09	0.67	167	898	62	21 083	-847.0	1 848.0	1965	85 07 - GPP
130	1.07	0.100	0.32	0.67	160	844	91	20 106	-976.1	1 931.8	1963	71 05
3 960	1.68	0.116	0.27	0.75	130	813	52	14 545	-894.1	1 851.9	1961	91 11 - GPP
850	1.57	0.116	0.27	0.75	130	813	52	14 545	-894.1	1 851.9	1961	91 11 - GPP
3 110	1.57	0.116	0.27	0.75	130	813	52	14 545	-894.1	1 851.9	1961	91 11 - GPP
64	2.00	0.100	0.30	0.70	130	813	52	14 545	-894.1	1 851.9	1961	91 11 - GPP
64	1.50	0.100	0.18	0.72	130	793	64	16 069	-980.5	1 915.6	1988	88 12 - ABAND 91 08
5 289	4.93	0.140	0.21	0.64	244	839	64	26 359	-1 279.5	2 251.3	1963	91 08 - GPP
1 657	4.18	0.130	0.25	0.66	159	840	73	14 968	-1 074.6	2 054.3	1979	86 12 - ABAND 84 06
3 632	7.00	0.100	0.25	0.68	243	839	72	25 938	-1 228.2	2 187.1	1961	90 11 - GPP
64	2.70	0.150	0.18	0.66	89	870	66	16 295	-969.4	1 940.5	1976	84 12 - GPP
64	2.42	0.130	0.25	0.70	101	887	67	26 321	-1 142.2	2 079.4	1961	88 10
355	1.83	0.160	0.20	0.69	148	849	68	19 448	-1 212.8	2 173.8	1963	85 04 - GPP
1 082	1.92	0.140	0.20	0.69	153	839	72	20 268	-1 313.2	2 299.0	1964	93 11 - GPP
360	1.83	0.130	0.22	0.69	155	855	59	16 228	-1 202.9	2 202.6	1972	92 11 - ABAND 73 09
117	5.30	0.171	0.20	0.69	133	870	68	17 529	-1 299.5	2 283.1	1974	76 12 - ABAND 75 06
16	10.97	0.120	0.20	0.69	110	849	57	19 501	-1 241.7	2 166.8	1974	88 12 - GPP
65	1.52	0.120	0.25	0.72	110	877	57	17 118	-1 079.9	2 046.8	1983	84 05 - ABAND 89 12
98	1.83	0.110	0.25	0.75	85	860	60	16 198	-1 198.9	2 143.5	1988	93 06
64	1.70	0.100	0.35	0.76	88	892	70	16 452	-1 209.8	2 153.2	1959	89 08
64	1.13	0.110	0.27	0.78	88	892	70	16 452	-1 209.8	2 153.2	1959	89 08
1 499	4.78	0.138	0.24	0.79	74	892	66	15 690		2 130.2	1962	65 01 - ABAND 63 08
732	4.58	0.134	0.22	0.79	74	892	66	15 690		2 130.2	1962	65 01 - ABAND 63 08
767	2.44	0.140	0.24	0.78	74	892	66	15 690		2 130.2	1962	65 01 - ABAND 63 08
32	2.44	0.140	0.24	0.78	74	892	66	15 690		2 130.2	1962	65 01 - ABAND 63 08

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
MEDICINE RIVER								
039-03W5 (CONTINUED)								
BASAL QUARTZ D	393.0	<0.05		18.7		18.7	18.7	
BASAL QUARTZ F	138.0	<0.01		0.6		0.6	0.6	
BASAL QUARTZ H	159.0	0.11		17.5		17.5	16.9	0.6
BASAL QUARTZ I	262.0	0.13		34.0		34.0	33.1	0.9
BASAL QUARTZ J	556.0	0.08		44.5		44.5	37.7	6.8
BASAL QUARTZ K	313.0	0.11		34.4		34.4	28.0	6.4
BASAL QUARTZ Y	199.0	<0.01		0.2		0.2	0.2	
BASAL QUARTZ BB	134.0	0.20		26.8		26.8	12.5	14.3
BASAL QUARTZ JJ	581.0	0.05		29.1		29.1	0.1	29.0
BASAL QUARTZ KK	255.0	0.15		38.3		38.3	28.3	10.0
JURASSIC A TOTAL	5 373.0			873.0	1 236.0	2 109.0	1 933.3	175.7
PRIMARY AREA	222.0	0.22		48.8		48.8		
WATER FLOOD AREA	5 151.0	0.16	0.24	824.0	1 236.0	2 060.0		
JURASSIC B	1 160.0	0.15		174.0		174.0	136.0	38.0
JURASSIC C TOTAL	9 256.0			1 437.0	1 657.0	3 094.0	2 210.9	883.1
PRIMARY AREA	970.0	0.20		194.0		194.0		
WATER FLOOD AREA	8 286.0	0.15	0.20	1 243.0	1 657.0	2 900.0		
JURASSIC D TOTAL	8 614.0			1 466.0	1 570.0	3 036.0	2 073.8	962.2
PRIMARY AREA	974.0	0.17		166.0		166.0		
WATER FLOOD AREA	7 640.0	0.17	0.21	1 300.0	1 570.0	2 870.0		
JURASSIC E	420.0	0.12		50.4		50.4	43.9	6.5
JURASSIC L	128.0	0.05		6.4		6.4	4.2	2.2
JURASSIC O	1 006.0	0.17		171.0		171.0	33.5	137.5
JURASSIC Q	405.0	0.15		60.8		60.8	14.5	46.3
JURASSIC R	514.0	0.10		51.4		51.4	12.3	39.1
JURASSIC S	90.6	0.10		9.1		9.1	0.9	8.2
JURASSIC U	85.3	0.10		8.5		8.5		8.5
JURASSIC W	201.0	0.05		10.1		10.1	3.0	7.1
JURASSIC X TOTAL	1 341.0			52.6	22.6	75.2	48.4	26.8
PRIMARY AREA	775.0	0.04		31.0		31.0		
WATER FLOOD AREA	566.0	<0.04	0.04	21.6	22.6	44.2		
ELKTON-SHUNDA E	961.0	0.15		144.0		144.0	104.2	39.8
SHUNDA A	221.0	<0.01		1.8		1.8	1.8	
PEKISKO B TOTAL	1 089.0			163.0	43.5	207.0	140.9	66.1
PRIMARY AREA	220.0	0.15		33.0		33.0		
WATER FLOOD AREA	869.0	0.15	0.05	130.0	43.5	174.0		
PEKISKO C TOTAL	1 511.0			71.7	90.3	162.0	152.6	9.4
PRIMARY AREA	221.0	<0.04		7.2		7.2		
WATER FLOOD AREA	1 290.0	0.05	0.07	64.5	90.3	155.0		
PEKISKO D	91.2	0.07		6.4		6.4	6.4	
PEKISKO E TOTAL	3 769.0			377.0	272.0	649.0	570.1	78.9
PRIMARY AREA	751.0	0.10		75.1		75.1		
WATER FLOOD AREA	3 018.0	0.10	0.09	302.0	272.0	574.0		
PEKISKO G	184.0	<0.01		0.2		0.2	0.2	
PEKISKO H	238.0	<0.02		2.7		2.7	2.7	
PEKISKO I	7 076.0	0.21		1 486.0		1 486.0	1 210.9	275.1
PEKISKO K	180.0	0.12		21.6		21.6	19.2	2.4
PEKISKO N	5 002.0	0.15		750.0		750.0	374.8	375.2
PEKISKO R	1 199.0	0.20		240.0		240.0	170.2	69.8
PEKISKO S	779.0	0.15		117.0		117.0	49.5	67.5
PEKISKO U	710.0	0.05		35.5		35.5	19.8	15.7
PEKISKO V	170.0	0.10		17.0		17.0	7.6	9.4
BANFF A	14.2	<0.01		0.1		0.1	0.1	
NISKU A	287.0	0.35		100.0		100.0	93.3	6.7
D-3 A	600.0	0.40		240.0		240.0	175.0	65.0
D-3 B	502.0	0.10		50.2		50.2	20.4	29.8
D-3 C	152.0	0.30		45.6		45.6	17.9	27.7
D-3 D	723.0	0.30		217.0		217.0	78.5	138.5
COOKING LAKE A	66.5	<0.01		0.2		0.2	0.2	
FIELD TOTAL *	87 040.8			11 963.5	6 897.4	18 861.4	14 099.8	4 761.6
MEEKWAP 066-15W5								
D-2 A TOTAL	12 050.0			2 410.0	3 414.0	5 824.0	5 195.2	628.8
PRIMARY AREA	674.0	0.20		134.0		134.0		
WATER FLOOD AREA	11 380.0	0.20	0.30	2 276.0	3 414.0	5 690.0		
D-2 B	175.0	0.30		52.5		52.5	31.0	21.5
D-2 C	96.3	<0.01		0.1		0.1	0.1	
D-2 D	334.0	0.10		33.4		33.4	25.3	8.1
D-2 E	178.0	0.10		17.8		17.8	3.4	14.4
D-2 F	432.0	0.07		30.2		30.2	25.3	4.9

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
129	2.99	0.167	0.24	0.80	74	892	68	15 531	-1 171.6	2 099.5	1962	83 12 - ABAND 83 12
64	1.83	0.200	0.25	0.78	76	898	68	16 573	-1 219.0	2 158.9	1963	64 12 - ABAND 66 10
32	6.45	0.130	0.25	0.79	76	898	66	16 358	-1 223.4	2 178.9	1963	91 12 - GPP
64	5.22	0.140	0.30	0.80	78	898	66	16 642	-1 269.0	2 224.9	1962	81 12 - GPP
64	10.47	0.140	0.25	0.79	89	898	66	17 098	-1 262.8	2 219.9	1962	87 12 - GPP
96	4.53	0.130	0.30	0.79	76	892	68	18 435	-1 214.4	2 166.1	1962	93 12 - GPP
65	5.18	0.096	0.22	0.79	87	898	66	16 225	-1 269.3	2 239.2	1974	75 11
64	3.50	0.100	0.20	0.75	112	866	74	20 396	-1 359.8	2 363.0	1980	92 10 - GPP
64	11.50	0.150	0.35	0.81	79	891	70	13 062	-1 155.9	2 141.8	1991	92 04
99	4.00	0.110	0.26	0.79	86	892	66	19 030	-1 210.5	2 143.8	1974	93 05
1 321					90	887	63	16 108	-1 203.0	2 152.8	1956	93 12
32	5.70	0.200	0.24	0.80								- GPP
1 289	4.69	0.142	0.25	0.80								- GPP
303	5.03	0.132	0.27	0.79	88	887	69	14 962	-1 201.2	2 142.7	1961	86 12 - GPP
1 729					84	892	63	16 406	-1 228.3	2 176.9	1961	93 12
311	4.91	0.120	0.33	0.79								- GPP
1 418	8.00	0.138	0.33	0.79								- GPP
734					83	887	68	16 249	-1 207.0	2 138.5	1959	90 05
64	17.50	0.145	0.25	0.80								- GPP
670	13.62	0.145	0.25	0.77								- GPP
75	4.60	0.220	0.29	0.78	94	887	70	16 929	-1 259.2	2 205.7	1962	92 08 - GPP
64	3.00	0.110	0.17	0.73	130	803	99	15 584	-1 203.0	2 151.5	1980	93 12 - GPP
370	4.18	0.130	0.35	0.77	105	871	69	17 397	-1 318.6	2 297.4	1985	92 11
64	6.90	0.170	0.30	0.77	105	888	69	16 365	-1 178.5	2 110.9	1963	91 04 - GPP
96	4.78	0.200	0.30	0.80	95	897	30	16 120	-1 204.4	2 163.0	1991	93 11
32	5.00	0.120	0.41	0.80	82	892	58	15 783	-1 235.8	2 157.9	1991	92 02
32	3.60	0.130	0.26	0.77	105	888	69		-1 336.3	2 308.9	1965	93 11
32	9.50	0.110	0.25	0.80	74	834	66		-1 194.0	2 149.0	1989	93 12 - GPP
175					74	834	66		-1 205.2	2 146.1	1962	93 12 - GPP
110	8.28	0.140	0.24	0.80								
65	11.16	0.130	0.25	0.80								
361	3.99	0.110	0.26	0.82	77	876	49	17 419	-1 336.1	2 316.1	1974	91 12
65	5.18	0.110	0.20	0.75	121	910	77	18 741	-1 348.2	2 290.0	1972	74 12 - GPP
228					62	898	70	16 420	-1 222.3	2 165.2	1959	93 11
32	12.10	0.090	0.20	0.79								- GPP
196	5.61	0.119	0.16	0.79								- GPP
266					62	898	69	16 276	-1 216.8	2 155.4	1961	92 12 - GPP
32	15.79	0.072	0.22	0.78								
234	12.58	0.072	0.22	0.78								
32	4.88	0.087	0.15	0.79	62	898	68	16 169	-1 215.9	2 152.2	1961	89 12 - GPP
686					75	887	71	16 326	-1 246.1	2 197.1	1963	93 12 - GPP
96	11.40	0.110	0.22	0.80								
590	7.86	0.098	0.17	0.80								
64	7.62	0.060	0.29	0.88	44	972	70	14 673	-1 218.0	2 155.5	1963	64 12 - ABAND 71 10
65	13.78	0.050	0.34	0.81	62	904	71	16 132	-1 203.3	2 145.7	1964	68 03 - ABAND 70 09
861	13.17	0.100	0.22	0.80	88	898	71	16 952	-1 258.0	2 202.5	1954	93 06 - GPP
65	7.89	0.053	0.18	0.81	62	898	71	16 331	-1 250.9	2 188.5	1965	87 12 - GPP
1 002	8.00	0.100	0.22	0.80	74	844	82	16 438	-1 198.5	2 140.8	1962	82 06
205	7.72	0.110	0.15	0.81	74	892	73	16 583	-1 225.5	2 149.6	1973	92 06 - GPP
124	9.35	0.100	0.17	0.81	76	896	69	16 429	-1 249.0	2 198.3	1984	93 04 - GPP
64	21.43	0.090	0.29	0.81	74	892	73	14 461	-1 176.3	2 168.7	1984	88 07 - GPP
32	5.50	0.170	0.30	0.81	74	900	73	14 700	-1 257.0	2 205.1	1987	88 04 - GPP
64	1.10	0.030	0.20	0.84	62	839	67	24 845	-1 404.5	2 338.9	1985	86 04
37	24.85	0.056	0.13	0.64	160	812	31	24 236	-1 924.5	2 929.0	1985	92 08
200	6.96	0.076	0.10	0.63	128	817	88	20 135	-2 107.0	3 106.7	1985	91 01
128	10.70	0.058	0.11	0.71	125	826	83	19 951	-2 101.1	3 101.0	1985	91 12
64	5.70	0.060	0.10	0.77	115	834	85	17 545	-1 953.5	2 895.6	1986	86 07 - GPP
32	37.50	0.086	0.09	0.77	125	821	88	20 224	-2 127.0	3 117.0	1986	91 12
64	3.70	0.054	0.35	0.80	100	830	79	17 882	-1 871.0	2 850.2	1988	93 12 - ABAND 93 08
2 772					120	844	80	20 839	-1 406.7	2 363.8	1966	91 12
420	6.50	0.047	0.29	0.74								
2 352	9.05	0.085	0.15	0.74								- GPP
64	11.24	0.038	0.20	0.80	71	860	83	20 035	-1 335.8	2 325.5	1971	75 12 - GPP
64	4.30	0.054	0.20	0.81	66	857	83	14 619	-1 344.1	2 310.7	1980	83 12
64	9.26	0.087	0.20	0.81	71	844	83	15 109	-1 336.8	2 312.2	1971	83 12 - GPP
64	7.10	0.069	0.30	0.81	82	857	80	21 522	-1 329.9	2 334.2	1972	83 12 - GPP
128	9.31	0.070	0.30	0.74	119	845	80	15 116	-1 449.0	2 370.0	1982	86 12 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
MEEKWAP 066-15W5 (CONTINUED) FIELD TOTAL	13 265.3			2 544.0	3 414.0	5 958.0	5 280.3	677.7
MELLOWDALE 060-03W5 LOWER MANNVILLE B	1 473.0	0.10		147.0		147.0	59.8	87.2
FIELD TOTAL	1 473.0			147.0		147.0	59.8	87.2
MICHICHI 031-17W4 UPPER MANNVILLE A	126.0	<0.01		0.6		0.6	0.6	
UPPER MANNVILLE N	92.6	0.10		9.3		9.3		9.3
LOWER MANNVILLE A	499.0	0.10		49.9		49.9	27.7	22.2
LOWER MANNVILLE B	270.0	0.02		5.4		5.4	3.5	1.9
LOWER MANNVILLE I	420.0	0.05		21.0		21.0	12.6	8.4
LOWER MANNVILLE K	108.0	0.05		5.4		5.4	0.4	5.0
LOWER MANNVILLE M	126.0	<0.01		0.1		0.1	0.1	
OSTRACOD B	220.0	<0.01		0.2		0.2	0.2	
DETRITAL B	41.0	<0.01		0.1		0.1	0.1	
DETRITAL C	320.0	<0.01		0.4		0.4	0.4	
BANFF A	1 163.0	0.10		116.0		116.0	106.3	9.7
BANFF C	559.0	0.05		28.0		28.0	16.7	11.3
BANFF D	2 595.0	0.03		77.9		77.9	42.6	35.3
BANFF E	321.0	0.05		16.1		16.1	2.7	13.4
BANFF F	397.0	0.05		19.9		19.9	6.8	13.1
BANFF I	87.6	0.10		8.8		8.8	5.4	3.4
BANFF L	269.0	0.07		18.8		18.8	14.4	4.4
BANFF N	153.0	<0.01		0.1		0.1	0.1	
BANFF O	129.0	<0.01		0.3		0.3	0.3	
BANFF P	30.0	<0.01		0.1		0.1	0.1	
BANFF Q	146.0	<0.01		0.2		0.2	0.2	
BANFF R	255.0	<0.01		0.2		0.2	0.2	
BANFF T	247.0	<0.02		2.7		2.7	2.7	
BANFF W	17.8	0.15		2.7		2.7	0.3	2.4
BANFF X	136.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL	8 728.0			384.3		384.3	244.5	139.8
MIKWAN 037-23W4 VIKING C	65.9	<0.03		1.6		1.6	1.6	
VIKING D	17.3	<0.05		0.8		0.8	0.8	
VIKING H	72.6	0.15		10.9		10.9	5.9	5.0
UPPER MANNVILLE F	167.0	0.05		8.4		8.4	7.9	0.5
UPPER MANNVILLE G	193.0	0.10		19.3		19.3	7.6	11.7
UPPER MANNVILLE H	341.0	0.10		34.1		34.1	20.2	13.9
UPPER MANNVILLE S	484.0	0.10		48.4		48.4	7.5	40.9
LOWER MANNVILLE H	63.5	0.10		6.4		6.4	4.5	1.9
LOWER MANNVILLE J	703.0	0.10		70.3		70.3	24.5	45.8
LOWER MANNVILLE W	50.2	<0.01		0.1		0.1	0.1	
D-2 A	450.0	0.30		135.0		135.0	126.5	8.5
D-2 B	451.0	0.40		180.0		180.0	130.8	49.2
D-2 C	290.0	0.10		29.0		29.0	17.4	11.6
D-2 D	262.0	0.20		52.4		52.4	27.8	24.6
D-2 E	77.4	<0.03		2.3		2.3	2.3	
D-2 F	149.0	0.20		29.8		29.8	12.2	17.6
D-2 G	30.1	<0.01		0.1		0.1	0.1	
D-3 A	339.0	<0.03		9.0		9.0	9.0	
D-3 B	645.0	0.20		129.0		129.0	100.8	28.2
D-3 C	166.0	<0.01		0.4		0.4	0.4	
D-3 D	215.0	0.07		15.0		15.0	12.2	2.8
FIELD TOTAL	5 232.0			782.3		782.3	520.1	262.2
MILO 019-23W4 ELLERSLIE A	82.3	0.05		4.1		4.1	0.7	3.4
FIELD TOTAL	82.3			4.1		4.1	0.7	3.4
MINEHEAD 048-18W5 BELLY RIVER A	236.0	<0.01		2.1		2.1	2.1	
CARDIUM A	350.0	0.05		17.5		17.5	7.8	9.7
FIELD TOTAL	586.0			19.6		19.6	9.9	9.7

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
461	3.06	0.200	0.40	0.87	45	892	35	8 346	-433.2	1 113.4	1979	85 01 - GPP
64	2.00	0.180	0.40	0.91	39	866	32	9 658	-384.1	1 296.3	1981	83 12 - ABAND 92 12
64	1.20	0.210	0.30	0.82	72	848	47		-433.1	1 285.1	1989	93 12
128	3.21	0.240	0.39	0.83	66	859	42	9 621	-444.5	1 358.1	1982	84 02 - GPP
64	5.48	0.160	0.42	0.83	64	854	40	8 058	-416.4	1 317.0	1981	86 09 - GPP
100	3.69	0.190	0.32	0.88	50	883	36	9 127	-422.8	1 313.8	1985	93 12
32	3.30	0.180	0.33	0.85	62	860	36	9 899	-423.5	1 283.2	1986	92 08 - GPP
64	5.00	0.110	0.57	0.83	69	864	50	8 619	-460.2	1 306.1	1987	92 10
64	3.00	0.230	0.40	0.83	64	832	44	10 007	-434.9	1 344.0	1983	88 12
16	2.40	0.180	0.34	0.90	64	878	41	9 517	-429.6	1 333.5	1987	91 10 - ABAND 89 05
64	6.00	0.170	0.41	0.83	64	845	47	8 489	-397.7	1 280.3	1987	88 04 - ABAND 89 04
548	9.00	0.040	0.29	0.83	61	854	40	9 530	-415.3	1 335.3	1985	90 08
192	12.44	0.040	0.32	0.86	55	880	45	9 446	-457.3	1 359.3	1982	90 12 - GPP
641	12.00	0.063	0.37	0.85	61	875	42	9 670	-439.4	1 324.8	1985	91 12 - GPP
64	4.00	0.200	0.27	0.86	55	860	40	9 630	-435.6	1 333.4	1986	89 12 - GPP
128	11.70	0.060	0.52	0.92	28	880	42	9 532	-415.2	1 306.2	1986	88 04 - GPP
64	5.50	0.050	0.40	0.83	70	862	40	9 028	-423.4	1 324.9	1984	87 12 - GPP
64	19.50	0.040	0.35	0.83	64	860	47	9 072	-458.6	1 350.5	1986	93 07 - GPP
64	9.70	0.048	0.38	0.83	64	875	47	9 799	-473.1	1 367.2	1987	87 05 - ABAND 87 03
16	19.00	0.060	0.17	0.85	50	870	35	9 144	-466.9	1 359.7	1987	92 11 - ABAND 89 04
64	2.30	0.030	0.20	0.85	50	870	35	8 983	-448.2	1 367.4	1987	89 12
64	12.90	0.040	0.48	0.85	61	870	42	9 211	-465.8	1 351.0	1986	88 12
64	15.00	0.040	0.22	0.85	61	849	42	9 083	-421.9	1 327.4	1987	88 01 - ABAND 90 12
64	11.20	0.050	0.17	0.83	64	845	47	9 007	-392.8	1 443.7	1988	93 10 - ABAND 93 02
64	1.60	0.030	0.30	0.83	64	845	47	8 067	-399.3	1 303.9	1987	89 06 - GPP
64	6.50	0.050	0.21	0.83	64	845	47	8 521	-389.5	1 418.7	1987	90 09 - ABAND 89 05
64	2.00	0.090	0.35	0.88	44	839	53	6 778	-509.3	1 380.0	1980	92 09 - ABAND 92 06
64	0.92	0.070	0.50	0.84	69	839	42	6 813	-512.9	1 448.3	1977	78 10 - ABAND 85 06
64	1.30	0.140	0.30	0.89	60	892	47	8 732	-460.0	1 352.7	1986	89 12
16	7.34	0.180	0.11	0.89	40	852	50	8 503	-717.8	1 648.5	1962	92 12 - GPP
64	2.30	0.220	0.30	0.85	59	819	46	9 393	-629.5	1 488.3	1980	81 07 - GPP
128	2.63	0.170	0.33	0.89	40	901	43	9 268	-630.1	1 473.2	1980	83 04 - GPP
64	7.04	0.160	0.27	0.92	35	875	34		-678.5	1 591.5	1992	93 08
64	1.00	0.170	0.27	0.80	110	797	44	8 993	-651.3	1 544.7	1980	84 05 - GPP
128	5.50	0.150	0.26	0.90	35	873	47	9 103	-608.3	1 520.9	1981	84 11 - GPP
64	1.50	0.140	0.55	0.83	62	875	48	9 467	-652.4	1 574.8	1987	88 01 - ABAND 88 05
320	3.29	0.090	0.35	0.73	124	844	64	15 480	-959.7	1 822.2	1970	88 09
128	6.29	0.097	0.22	0.74	100	833	64	14 121	-945.6	1 790.0	1979	93 04 - GPP
128	6.01	0.067	0.25	0.75	110	830	62	13 690	-934.9	1 754.3	1978	85 12 - GPP
64	7.30	0.090	0.17	0.75	105	822	47	13 644	-956.8	1 733.0	1983	84 12 - GPP
32	6.40	0.080	0.37	0.75	100	838	57	12 945	-963.3	1 815.0	1985	91 05 - ABAND 91 05
128	3.30	0.055	0.22	0.82	70	860	54	13 518	-970.7	1 813.3	1985	87 08 - GPP
64	1.20	0.060	0.13	0.75	80	901	74	15 794	-1 069.3	1 995.2	1984	88 12
224	2.99	0.090	0.25	0.75	106	865	63	15 678	-998.0	1 858.0	1970	88 12 - ABAND 82 12
64	13.00	0.120	0.15	0.76	100	852	76	13 918	-977.3	1 818.3	1979	80 01
64	3.60	0.120	0.25	0.80	100	877	61	13 431	-1 021.7	1 894.5	1985	86 03 - ABAND 87 05
64	7.30	0.080	0.30	0.82	79	867	62	13 243	-956.1	1 762.4	1984	91 03
32	3.61	0.130	0.34	0.83	83	839	45	13 437	-657.9	1 686.1	1990	93 11
64	7.40	0.100	0.40	0.83	62	828	76	10 602	-917.5	1 966.6	1986	92 10
64	6.70	0.160	0.15	0.60	210	816	74	15 042	-1 483.8	2 562.8	1968	89 06 - GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
MINNEHIK-BUCK LAKE								
045-05W5								
BELLY RIVER A	215.0	0.10		21.5		21.5	11.0	10.5
BELLY RIVER B	238.0	0.10		23.8		23.8	5.2	18.6
BELLY RIVER C	335.0	0.10		33.5		33.5	24.2	9.3
BELLY RIVER E	250.0	0.10		25.0		25.0	12.4	12.6
BELLY RIVER F	538.0	0.10		53.8		53.8	31.1	22.7
BELLY RIVER G	176.0	0.03		5.3		5.3	3.7	1.6
BELLY RIVER J	182.0	0.10		18.2		18.2	3.1	15.1
BELLY RIVER K	102.0	<0.01		0.1		0.1	0.1	
BELLY RIVER L	127.0	0.05		6.4		6.4	0.3	6.1
CARDIUM A	181.0	0.10		18.1		18.1	14.4	3.7
CARDIUM E	160.0	0.10		16.0		16.0	1.8	14.2
CARDIUM J	5 668.0	0.06		340.0		340.0	200.2	139.8
CARDIUM L	627.0	0.05		31.4		31.4	19.2	12.2
CARDIUM N	93.3	<0.01		0.3		0.3	0.3	
CARDIUM O	55.6	<0.01		0.1		0.1	0.1	
CARDIUM P	63.5	0.05		3.2		3.2	0.3	2.9
CARDIUM Q	212.0	0.03		6.4		6.4	0.6	5.8
VIKING A	265.0	<0.01		0.7		0.7	0.7	
VIKING C	347.0	0.10		34.7		34.7	23.2	11.5
VIKING D	124.0	0.10		12.4		12.4	0.7	11.7
VIKING E	42.2	0.20		8.4		8.4	6.3	2.1
VIKING F	42.6	0.20		8.5		8.5	3.8	4.7
VIKING H	292.0	0.25		73.0		73.0	39.6	33.4
VIKING I	64.9	0.20		13.0		13.0	10.4	2.6
VIKING J	60.0	0.20		12.0		12.0	5.7	6.3
VIKING K	60.0	0.25		15.0		15.0	9.1	5.9
OSTRACOD A	881.0	0.25		220.0		220.0	163.3	56.7
OSTRACOD B	125.0	0.20		25.0		25.0	13.0	12.0
OSTRACOD G	180.0	0.20		36.0		36.0	25.0	11.0
OSTRACOD H	78.9	0.15		11.8		11.8	8.3	3.5
OSTRACOD I	153.0	0.15		22.9		22.9	17.7	5.2
OSTRACOD J	45.7	0.05		2.3		2.3	0.1	2.2
OSTRACOD E & F	136.0	0.10		13.6		13.6	1.8	11.8
JURASSIC B	82.8	0.05		4.1		4.1	0.8	3.3
BANFF A	198.0	<0.01		0.1		0.1	0.1	
D-2 A	273.0	<0.01		1.1		1.1	1.1	
FIELD TOTAL	12 674.5			1 117.7		1 117.7	658.7	459.0
MIRAGE 079-07W6								
DOE CREEK A	162.0	<0.01		0.4		0.4	0.4	
DOE CREEK B	119.0	<0.01		0.1		0.1		0.1
HALFWAY B	1 838.0	0.15		276.0		276.0	99.4	176.6
FIELD TOTAL	2 119.0			276.5		276.5	99.8	176.7
MITSUE 071-04W5								
GILWOOD A TOTAL	123 000.0			30 280.0	31 060.0	61 340.0	53 331.0	8 009.0
PRIMARY AREA	5 061.0	0.16		810.0		810.0		
SOLVENT FLOOD AREA	60 000.0	0.25	0.37	15 000.0	22 000.0	37 000.0		
WATER FLOOD AREA	57 890.0	0.25	0.16	14 470.0	9 060.0	23 530.0		
GILWOOD B	344.0	0.20		68.8		68.8	54.8	14.0
GILWOOD E	42.6	0.10		4.3		4.3	0.2	4.1
FIELD TOTAL	123 386.6			30 353.1	31 060.0	61 413.1	53 386.0	8 027.1
MONTGOMERY 011-28W4								
SECOND WHITE	1 500.0	0.15		225.0		225.0	213.8	11.2
SPECKS A								
SECOND WHITE	338.0	<0.02		6.2		6.2	6.2	
SPECKS B								
FIELD TOTAL	1 838.0			231.2		231.2	220.0	11.2
MORINVILLE 055-25W4								
UPPER MANNVILLE F	378.0	<0.01		0.3		0.3	0.3	
UPPER MANNVILLE H	175.0	0.05		8.8		8.8	0.1	8.7
LOWER MANNVILLE A	199.0	0.15		29.9		29.9	22.4	7.5
LOWER MANNVILLE F	120.0	0.05		6.0		6.0	3.9	2.1
LOWER MANNVILLE L	226.0	<0.03		6.7		6.7	6.7	
LOWER MANNVILLE O	49.0	<0.01		0.1		0.1	0.1	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
65	3.66	0.160	0.32	0.83	74	825	46	9 658	-287.8	1 191.8	1973	78 10 - GPP
64	5.60	0.150	0.48	0.85	67	845	46	9 030	-299.5	1 205.7	1980	81 07 - GPP
64	6.44	0.140	0.30	0.83	74	845	46	8 821	-334.6	1 255.0	1981	90 12 - GPP
64	5.00	0.157	0.40	0.83	74	844	50	7 451	-248.6	1 173.8	1981	82 08 - GPP
64	9.00	0.150	0.25	0.83	65	848	52	9 300	-314.0	1 233.8	1982	83 05 - GPP
16	13.00	0.150	0.32	0.83	65	848	52	9 090	-268.2	1 178.2	1983	92 12 - GPP
64	4.00	0.130	0.34	0.83	65	848	52	10 288	-299.4	1 212.8	1982	84 01 - GPP
64	3.93	0.140	0.65	0.83	65	848	52	10 935	-288.1	1 289.9	1984	85 10 - ABAND 85 11
64	4.10	0.130	0.55	0.83	66	805	58	9 716	-295.0	1 192.4	1990	91 05 - GPP
130	2.13	0.110	0.15	0.70	96	815	49	12 167	-704.7	1 718.2	1960	93 12 - GPP
128	2.22	0.090	0.20	0.78	96	830	49	12 211	-697.2	1 718.8	1978	89 08 - GPP
3 314	2.16	0.115	0.15	0.81	125	830	56	16 757	-653.2	1 571.4	1979	87 01 - GPP
506	1.30	0.140	0.18	0.83	65	805	58	14 977	-651.3	1 660.7	1979	86 12 - GPP
64	1.58	0.134	0.15	0.81	74	830	66	10 729	-665.7	1 627.0	1982	82 11 - GPP
64	1.50	0.130	0.45	0.81	125	830	56	10 875	-616.0	1 617.8	1984	85 10 - ABAND 85 11
64	1.55	0.100	0.20	0.80	125	830	56	10 902	-619.2	1 516.1	1985	93 12 - GPP
128	2.00	0.120	0.15	0.81	125	830	56	10 296	-690.2	1 676.3	1978	89 12 - GPP
65	4.88	0.160	0.30	0.75	105	838	88	14 778	-913.4	1 804.3	1953	66 11 - ABAND 73 07
507	1.52	0.080	0.33	0.84	156	827	72	19 083	-891.4	1 868.8	1982	93 12 - GPP
64	4.00	0.090	0.36	0.84	54	827	72	16 011	-813.7	1 771.3	1982	83 06 - GPP
64	1.10	0.100	0.25	0.80	149	855	82	16 770	-922.0	1 843.9	1983	88 12 - GPP
128	1.00	0.070	0.30	0.68	149	821	83	14 352	-926.4	1 882.7	1984	87 12 - GPP
1 000	0.62	0.080	0.30	0.84	56	827	72	14 637	-888.3	1 896.0	1984	89 12 - GPP
80	1.76	0.090	0.36	0.80	74	813	60	13 952	-877.5	1 878.7	1985	93 07 - GPP
117	1.20	0.090	0.30	0.68	149	825	82	14 155	-890.0	1 935.5	1986	88 12 - GPP
200	0.90	0.063	0.34	0.80	91	832	74	12 156	-876.7	1 890.7	1988	90 12 - GPP
996	1.23	0.130	0.21	0.70	160	827	60	18 498	-1 073.6	2 054.3	1980	91 12 - GPP
121	1.54	0.120	0.20	0.70	132	817	72	18 393	-1 071.7	2 058.5	1981	91 12 - GPP
259	1.04	0.130	0.21	0.65	174	812	80	19 545	-1 113.4	2 119.9	1985	88 12 - GPP
64	1.50	0.145	0.19	0.70	174	820	80	18 591	-1 084.8	2 074.6	1986	86 06 - GPP
128	1.66	0.130	0.15	0.65	174	812	80	18 390	-1 096.0	2 102.5	1987	88 07 - GPP
64	2.02	0.080	0.32	0.65	174	813	80	19 982	-1 166.2	2 184.9	1988	90 12 - GPP
64	3.58	0.116	0.27	0.70	174	812	80	18 799	-1 116.2	2 136.0	1984	85 11 - GPP
64	2.00	0.120	0.23	0.70	145	856	70	15 016	-1 148.4	2 170.2	1985	85 09 - GPP
64	7.40	0.078	0.33	0.80	88	879	54	14 246	-1 088.7	2 102.5	1985	86 05 - ABAND 87 01
64	24.99	0.043	0.35	0.61	195	801	78	17 454	-1 111.6	2 110.7	1975	81 12 - ABAND 85 02
64	1.50	0.290	0.36	0.91	25	844	30	1 445	420.2	248.8	1988	92 01 - ABAND 91 09
64	1.18	0.270	0.36	0.91	25	844	30	1 542	424.0	226.6	1989	89 10 - ABAND 89 12
742	3.91	0.110	0.28	0.80	91	825	58	13 019	-738.5	1 397.5	1988	93 11 - GPP
51 296	2.00	0.110	0.36	0.78	103	811	60	18 386	-1 080.7	1 686.1	1964	92 12 - GPP
4 608	4.91	0.144	0.36	0.78	103	817	63	15 787	-1 089.7	1 718.1	1987	88 07 - GPP
16 999	3.15	0.124	0.36	0.78	103	817	63	15 787	-1 089.7	1 718.1	1987	88 07 - GPP
29 689	3.03	0.118	0.35	0.77	80	821	65	16 120	-1 001.1	1 592.5	1981	82 05 - GPP
192	1.55	0.086	0.36	0.78	80	821	65	16 120	-1 001.1	1 592.5	1981	82 05 - GPP
64	9.31	0.200	0.20	0.73	144	805	87	33 060	-1 443.3	2 557.0	1968	91 05 - GPP
16	18.06	0.200	0.20	0.73	144	821	75	20 459	-1 329.0	2 399.5	1979	92 11 - GPP
16	20.30	0.190	0.32	0.90	40	966	40	8 263	-315.2	1 020.2	1987	88 03 - ABAND 89 01
64	2.70	0.210	0.48	0.93	28	859	32	7 628	-309.5	1 012.2	1988	89 10 - GPP
100	1.52	0.220	0.30	0.85	41	876	46	7 860	-1 092.4	1 092.4	1952	92 10 - GPP
57	1.83	0.170	0.25	0.90	62	876	47	9 057	-454.5	1 148.8	1951	88 12 - GPP
93	2.59	0.220	0.52	0.89	50	887	44	9 753	-569.3	1 245.0	1965	84 12 - GPP
64	1.00	0.170	0.50	0.90	33	871	43	6 781	-461.5	1 155.0	1983	84 01 - ABAND 84 09

TABLE 2-6

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE 10 ³ m ³	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 10 ³ m ³	REMAINING ESTABLISHED RESERVES 10 ³ m ³
		PRIMARY frac	ENHANCED frac	PRIMARY 10 ³ m ³	ENHANCED 10 ³ m ³	TOTAL 10 ³ m ³		
MORINVILLE 055-25W4 (CONTINUED)								
LOWER MANNVILLE U	219.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE Z	331.0	0.05		16.6		16.6	1.5	15.1
D-1 A	56.1	<0.13		7.2		7.2	7.2	
D-1 B	385.0	0.20		77.0		77.0	35.6	41.4
D-1 C	69.6	0.10		7.0		7.0	1.1	5.9
D-3 A	89.5	<0.32		28.6		28.6	28.6	
D-3 B	3 318.0	<0.55		1 820.0		1 820.0	1 655.6	164.4
D-3 C	1 088.0	0.10		109.0		109.0	76.6	32.4
D-3 D	57.1	0.30		17.1		17.1	6.1	11.0
D-3 E	1 002.0	0.35		351.0		351.0	163.1	187.9
D-3 F	212.0	<0.01		0.1		0.1		0.1
D-3 G	253.0	0.05		12.7		12.7	3.2	9.5
FIELD TOTAL	8 227.3			2 498.2		2 498.2	2 012.2	486.0
MORNINGSIDE 042-28W4								
VIKING A	103.0	0.10		10.3		10.3	2.8	7.5
OSTRACOD A	24.2	<0.04		0.9		0.9	0.9	
OSTRACOD B	77.4	<0.08		5.7		5.7	5.7	
ELLERSLIE A	95.2	0.15		14.3		14.3	10.1	4.2
ELLERSLIE B	25.5	<0.01		0.1		0.1	0.1	
FIELD TOTAL	325.3			31.3		31.3	19.6	11.7
MULLIGAN 081-08W6								
CHARLIE LAKE A	253.0	0.10		25.3		25.3	17.6	7.7
CHARLIE LAKE B	219.0	0.15		32.9		32.9	3.0	29.9
CHARLIE LAKE C	109.0	0.20		21.8		21.8	11.4	10.4
FIELD TOTAL	581.0			80.0		80.0	32.0	48.0
MUSREAU 062-06W6								
CARDIUM A	89.0	0.10		8.9		8.9	0.3	8.6
FIELD TOTAL	89.0			8.9		8.9	0.3	8.6
NARROWS 075-12W5								
GILWOOD A	201.0	0.30		60.3		60.3	20.5	39.8
GILWOOD B	79.8	<0.05		3.3		3.3	3.3	
FIELD TOTAL	280.8			63.6		63.6	23.8	39.8
NELSON 043-26W4								
VIKING A	1 600.0	0.10		160.0		160.0	115.6	44.4
LOWER MANNVILLE A	133.0	0.10		13.3		13.3	0.6	12.7
LOWER MANNVILLE B	429.0	<0.02		7.0		7.0	7.0	
FIELD TOTAL	2 162.0			180.3		180.3	123.2	57.1
NEVIS 039-22W4								
BLAIRMORE B	307.0	<0.01		0.3		0.3	0.3	
BLAIRMORE C	1 600.0	0.18		288.0		288.0	239.3	48.7
BLAIRMORE D	126.0	<0.02		2.4		2.4	2.4	
BLAIRMORE F	215.0	0.10		21.5		21.5	12.2	9.3
BLAIRMORE H	144.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE A	2 322.0	0.13		302.0		302.0	230.8	71.2
LOWER MANNVILLE A	62.7	<0.01		0.5		0.5	0.5	
BLAIRMORE A & LOWER MANNVILLE J	576.0	0.15		86.4		86.4	12.6	73.8
DEVONIAN	429.0	<0.04		14.2		14.2	14.2	
D-1 A	28.1	<0.03		0.8		0.8	0.8	
D-2 A	274.0	<0.02		3.1		3.1	3.1	
D-2 B	198.0	0.05		9.9		9.9	0.3	9.6
D-3 B	238.0	0.16		38.1		38.1	36.4	1.7
D-3 C	220.0	<0.22		47.4		47.4	47.4	
D-3 D	191.0	0.15		28.7		28.7	23.6	5.1
D-3 E	1 272.0	0.15		191.0		191.0	150.6	40.4
D-3 F	400.0	<0.03		11.1		11.1	11.1	
D-3 G	240.0	0.30		72.0		72.0	63.5	8.5
D-3 H	75.7	<0.01		0.4		0.4	0.4	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
64	3.90	0.210	0.52	0.87	50	875	46	8 261	-391.0	1 087.5	1987	88 01 - ABAND 88 10
64	4.00	0.200	0.29	0.91	35	858	33	7 239	-404.9	1 097.0	1989	89 10
130	2.74	0.030	0.30	0.75	53	839	48	8 720	-461.8	1 161.6	1953	64 12 - ABAND 60 10
316	2.47	0.100	0.42	0.85	62	822	35	8 222	-444.9	1 142.2	1986	90 06 - GPP
32	5.20	0.080	0.37	0.83	64	838	38	7 716	-453.0	1 121.1	1987	93 02 - GPP
16	10.97	0.080	0.15	0.75	62	849	56	10 863	-696.5	1 397.2	1955	76 12 - GPP
345	14.80	0.085	0.09	0.84	60	844	60	13 090	-922.3	1 607.4	1960	88 07 - GPP
300	4.51	0.110	0.13	0.84	62	849	52	10 890	-675.9	1 380.2	1963	90 12 - GPP
16	6.00	0.100	0.15	0.70	135	844	42	10 672	-700.3	1 400.8	1982	83 02 - GPP
202	5.90	0.130	0.23	0.84	59	890	61	10 494	-661.6	1 370.4	1982	92 02 - GPP
64	8.30	0.060	0.21	0.84	59	842	61	16 144	-951.0	1 642.7	1983	84 03 - ABAND 84 01
64	5.10	0.100	0.14	0.90	45	949	51	10 465	-629.7	1 332.7	1985	85 12 - GPP
128	0.80	0.170	0.30	0.85	46	836	57	13 947	-696.3	1 648.3	1980	90 01 - GPP
32	1.00	0.120	0.25	0.84	58	918	63	13 181	-865.1	1 790.5	1984	88 08 - ABAND 90 05
64	2.16	0.100	0.30	0.80	69	885	57	13 893	-877.2	1 802.6	1974	90 12 - ABAND 92 07
64	1.80	0.120	0.18	0.84	58	917	63	15 722	-908.1	1 856.2	1988	89 12
64	0.80	0.080	0.26	0.84	58	886	62	16 948	-895.4	1 832.4	1988	89 06 - ABAND 89 10
128	2.70	0.120	0.23	0.79	92	846	47	10 882	-505.7	1 171.1	1982	89 09 - GPP
64	2.45	0.210	0.18	0.81	95	823	41	11 240	-541.6	1 183.0	1989	89 08
64	1.26	0.180	0.15	0.88	45	900	41	10 953	-516.3	1 205.7	1983	93 12 - GPP
64	5.72	0.080	0.24	0.40	464	778	82	21 334	-848.3	2 014.3	1980	93 03
64	4.34	0.140	0.40	0.86	70	825	63	20 771	-1 333.6	2 008.9	1989	90 03
65	2.74	0.080	0.30	0.80	65	840	60	20 286	-1 304.0	1 987.7	1962	76 12 - ABAND 70 03
936	2.61	0.120	0.40	0.91	54	841	59	7 973	-556.9	1 414.5	1985	89 07 - GPP
32	3.60	0.170	0.30	0.97	25	912	52	11 135	-701.4	1 541.8	1988	89 06
64	6.47	0.170	0.30	0.87	57	895	47	11 303	-678.6	1 515.0	1972	88 08 - GPP
65	3.35	0.220	0.20	0.80	89	881	49	9 432	-582.0	1 404.4	1967	74 04 - ABAND 74 03
792	1.61	0.180	0.18	0.85	53	893	57	10 161	-577.0	1 386.8	1959	93 12 - GPP
64	2.44	0.130	0.30	0.88	51	870	38	9 539	-596.6	1 477.8	1977	82 12
128	2.40	0.135	0.35	0.80	70	886	57	11 208	-592.7	1 418.7	1982	84 06 - GPP
64	3.00	0.170	0.45	0.80	66	878	54	10 225	-606.6	1 405.8	1959	88 12
1 642	1.62	0.160	0.38	0.88	48	915	62	1 553	-609.2	1 426.7	1977	93 11 - GPP
64	1.20	0.170	0.40	0.80	64	893	54	11 093	-601.7	1 404.6	1981	84 06 - ABAND 85 10
211	1.72	0.210	0.16	0.90	32	888	51	10 223	-550.7	1 344.9	1991	93 12
199	4.82	0.080	0.20	0.70	120	834	58	16 060		1 722.4	1952	93 06 - ABAND 74 06
64	1.30	0.060	0.26	0.76	50	897	45	10 048	-686.5	1 520.4	1952	92 10 - ABAND 93 02
128	4.20	0.085	0.20	0.75	86	826	58	16 472	-934.6	1 735.4	1986	90 12
64	9.50	0.080	0.40	0.68	148	823	59	12 236	-882.5	1 735.3	1985	89 09
7	56.15	0.087	0.20	0.87	53	870	43	16 903	-1 030.0	1 856.5	1968	88 12 - GPP
6	65.87	0.080	0.20	0.87	40	870	64	16 899	-970.3	1 788.1	1967	89 12 - GPP
14	31.80	0.065	0.20	0.83	64	876	64	15 817	-996.2	1 821.0	1969	91 12 - GPP
34	45.81	0.120	0.17	0.82	79	887	38	16 215	-996.1	1 832.5	1970	84 12 - GPP
64	11.80	0.076	0.15	0.82	74	887	38	14 794	-922.9	1 755.6	1970	88 12 - ABAND 82 06
20	25.30	0.075	0.23	0.82	79	887	62	14 209	-1 036.7	1 894.0	1984	87 11 - GPP
16	9.50	0.080	0.25	0.83	64	874	64	12 587	-899.1	1 689.3	1988	92 10

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
NEVIS 039-22W4 (CONTINUED) FIELD TOTAL	8 918.5			1 117.9		1 117.9	849.6	268.3
NEW NORWAY 044-22W4								
ELLERSLIE A	587.0	0.15		88.1		88.1	12.5	75.6
ELLERSLIE B	1 068.0	0.15		160.0		160.0	35.5	124.5
ELLERSLIE C	68.4	<0.01		0.2		0.2	0.2	
ELLERSLIE G	163.0	<0.01		0.8		0.8	0.8	
D-1 A	142.0	0.10		14.2		14.2	2.4	11.8
D-2	2 154.0	0.65		1 400.0		1 400.0	1 302.6	97.4
D-3	318.0	<0.58		181.6		181.6	181.6	
FIELD TOTAL	4 500.4			1 844.9		1 844.9	1 535.6	309.3
NEWBROOK 062-20W4 UPPER MANNVILLE N	121.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL	121.0			0.1		0.1	0.1	
NINASTOKO 005-25W4								
RUNDLE A	87.0	0.20		17.4		17.4	14.2	3.2
BANFF A	84.8	<0.02		0.9		0.9	0.9	
FIELD TOTAL	171.8			18.3		18.3	15.1	3.2
NIPISI 079-08W5								
SLAVE POINT A	353.0	0.10		35.3		35.3	12.9	22.4
SLAVE POINT B	395.0	<0.01		1.1		1.1	1.1	
SLAVE POINT C	218.0	0.10		21.8		21.8	6.6	15.2
SLAVE POINT D	134.0	0.15		20.1		20.1	10.3	9.8
SLAVE POINT E	40.7	0.15		6.1		6.1	3.4	2.7
GILWOOD A TOTAL	120 300.0			31 200.0	25 600.0	56 800.0	48 663.2	8 136.8
PRIMARY AREA	8 219.0	0.25		2 055.0		2 055.0		
SOLVENT FLOOD AREA	72 700.0	<0.27	0.28	18 900.0	20 670.0	39 570.0		
WATER FLOOD AREA	39 400.0	0.26	0.12	10 240.0	4 926.0	15 170.0		
GILWOOD C	4 191.0	0.20		838.0		838.0	634.2	203.8
GILWOOD E	135.0	0.20		27.0		27.0	20.3	6.7
GILWOOD F	100.0	<0.05		4.5		4.5	4.5	
GILWOOD G	148.0	0.15		22.2		22.2	15.1	7.1
GILWOOD H	749.0	0.15		112.0		112.0	51.1	60.9
GILWOOD I	272.0	0.10		27.2		27.2	12.7	14.5
GILWOOD J	66.3	0.05		3.3		3.3	0.9	2.4
GILWOOD K	59.1	0.15		8.9		8.9	0.2	8.7
KEG RIVER	2 350.0	0.25		588.0		588.0	567.5	20.5
SANDSTONE A								
KEG RIVER	2 052.0	0.35		718.0		718.0	600.2	117.8
SANDSTONE E								
KEG RIVER	323.0	<0.02		5.5		5.5	5.5	
SANDSTONE F								
KEG RIVER	355.0	<0.03		8.6		8.6	8.6	
SANDSTONE G								
KEG RIVER	192.0	0.25		48.0		48.0	39.1	8.9
SANDSTONE H								
KEG RIVER	130.0	0.25		32.5		32.5	15.4	17.1
SANDSTONE I								
KEG RIVER	223.0	<0.03		5.0		5.0	5.0	
SANDSTONE J								
KEG RIVER	29.4	<0.02		0.5		0.5	0.5	
SANDSTONE K								
KEG RIVER	384.0	0.07		26.9		26.9	16.9	10.0
SANDSTONE L								
KEG RIVER	350.0	0.08		28.0		28.0	15.8	12.2
SANDSTONE M								
KEG RIVER	22.4	<0.01		0.1		0.1	0.1	
SANDSTONE N								
KEG RIVER	298.0	0.25		74.5		74.5	24.5	50.0
SANDSTONE O								
KEG RIVER	169.0	0.10		16.9		16.9	0.5	16.4
SANDSTONE P								
FIELD TOTAL	134 038.9			33 880.0	25 600.0	59 480.0	50 736.1	8 743.9

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
176	2.69	0.210	0.28	0.82	72	832	50	9 610	-578.8	1 353.1	1966	93 03
178	4.99	0.220	0.29	0.77	71	837	44	9 620	-585.0	1 358.5	1966	93 03
16	4.88	0.175	0.35	0.77	80	825	56	10 229	-588.6	1 393.6	1953	58 05 - ABAND 56 06
64	2.50	0.220	0.40	0.77	71	837	44	9 502	-579.0	1 336.8	1980	84 12 - ABAND 83 02
64	4.50	0.080	0.19	0.76	100	854	50	9 986	-616.9	1 393.8	1951	92 06 - GPP
197	18.70	0.085	0.14	0.80	82	825	54	10 685	-636.3	1 399.5	1951	81 12 - GPP
77	15.03	0.044	0.20	0.78	84	839	58	14 216	-726.6	1 491.3	1951	93 02 - ABAND 92 10
16	3.30	0.300	0.22	0.98	7	990	32	4 352	95.8	574.0	1988	88 10 - ABAND 90 12
64	2.50	0.080	0.20	0.85	62	835	57	18 799	-1 133.0	2 189.1	1982	91 12 - GPP
16	29.70	0.030	0.30	0.85	55	870	50	10 000	-1 347.2	2 405.3	1982	92 11 - ABAND 92 12
128	6.30	0.085	0.44	0.92	16	830	54	17 240	-1 028.8	1 681.8	1982	85 04 - GPP
64	12.31	0.082	0.32	0.90	24	840	67	16 746	-1 105.4	1 827.1	1984	88 12
32	12.64	0.090	0.35	0.92	18	860	66	17 063	-1 099.8	1 813.7	1985	91 12 - GPP
64	5.50	0.065	0.35	0.90	32	837	51	15 892	-1 071.5	1 725.3	1973	84 02 - GPP
16	7.60	0.062	0.40	0.90	31	845	52	16 076	-1 100.5	1 837.9	1984	92 06 - GPP
33 877					65	820	49	18 226	-1 053.6	1 710.8	1965	93 01 - GPP
4 544	2.54	0.130	0.34	0.83								
12 044	6.90	0.155	0.32	0.83								
17 289	3.30	0.130	0.36	0.83								
1 834	3.53	0.120	0.35	0.83	56	820	62	18 177	-1 095.2	1 788.7	1969	93 12 - GPP
64	3.28	0.126	0.38	0.82	65	821	56	9 711	-1 027.7	1 675.8	1980	93 12 - GPP
64	2.30	0.130	0.37	0.83	61	821	47	9 668	-1 032.5	1 678.2	1980	88 12
128	1.80	0.115	0.32	0.82	65	821	56	10 680	-1 036.2	1 680.2	1979	85 06 - GPP
695	1.61	0.130	0.38	0.83	63	820	62	18 023	-1 109.7	1 835.3	1979	92 12 - GPP
128	3.54	0.134	0.44	0.80	63	819	62	15 458	-1 136.5	1 857.2	1984	87 08 - GPP
64	2.10	0.110	0.46	0.83	56	819	62	17 973	-1 122.4	1 829.8	1988	90 12 - GPP
64	2.20	0.080	0.36	0.82	65	821	56	15 283	-1 088.9	1 748.1	1991	92 09
1 814	1.46	0.143	0.27	0.85	65	820	56	18 085	-1 091.9	1 746.1	1966	79 12 - GPP
493	4.06	0.180	0.33	0.85	55	820	50	15 181	-1 095.4	1 741.1	1977	85 06 - GPP
64	5.00	0.180	0.34	0.85	53	810	54	13 723	-1 099.4	1 744.8	1980	86 12 - GPP
64	6.40	0.170	0.40	0.85	53	849	52	15 159	-1 092.8	1 738.1	1972	88 12 - ABAND 90 03
64	3.40	0.160	0.35	0.85	55	824	43	13 151	-1 102.8	1 749.4	1982	83 04 - GPP
64	1.90	0.180	0.30	0.85	50	830	57	12 712	-1 100.7	1 751.0	1982	83 05 - GPP
64	3.50	0.180	0.35	0.85	53	820	52	12 388	-1 097.5	1 740.5	1984	87 12 - ABAND 89 09
64	1.50	0.080	0.55	0.85	55	824	44	12 484	-1 095.3	1 748.3	1984	84 08 - ABAND 84 11
64	6.10	0.170	0.32	0.85	55	825	47	12 098	-1 093.0	1 745.7	1984	90 12 - GPP
64	4.60	0.200	0.30	0.85	65	825	49	13 341	-1 100.1	1 745.8	1985	91 12 - GPP
64	0.60	0.137	0.50	0.85	52	825	54	11 377	-1 098.9	1 743.2	1985	85 10
64	3.40	0.230	0.30	0.85	52	828	53	11 731	-1 101.2	1 749.7	1986	86 05 - GPP
32	4.00	0.210	0.26	0.85	56	827	41		-1 074.7	1 720.3	1992	93 03

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE 103m3	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 103m3	REMAINING ESTABLISHED RESERVES 103m3
		PRIMARY frac	ENHANCED frac	PRIMARY 103m3	ENHANCED 103m3	TOTAL 103m3		
NITON 055-12W5								
CARDIUM A	135.0	0.15		20.3		20.3	11.2	9.1
CARDIUM B	137.0	<0.05		6.0		6.0	6.0	
CARDIUM C	230.0	0.10		23.0		23.0	18.6	4.4
CARDIUM D	176.0	<0.01		0.8		0.8	0.8	
CARDIUM E	142.0	0.15		21.3		21.3	14.0	7.3
CARDIUM F	137.0	0.10		13.7		13.7	9.5	4.2
CARDIUM G	187.0	0.15		28.1		28.1	20.5	7.6
CARDIUM H	39.1	<0.01		0.1		0.1	0.1	
CARDIUM I	142.0	<0.03		3.2		3.2	3.2	
CARDIUM J	119.0	0.05		6.0		6.0	2.3	3.7
BASAL QUARTZ A	260.0	0.03		7.8		7.8	0.1	7.7
BASAL QUARTZ C	168.0	<0.01		0.8		0.8	0.8	
BASAL QUARTZ G	177.0	<0.01		0.1		0.1	0.1	
BASAL QUARTZ K	116.0	0.02		2.3		2.3	2.3	
BASAL QUARTZ M	124.0	0.05		6.2		6.2	2.6	3.6
BASAL QUARTZ I & ROCK CREEK A	190.0	0.15		28.5		28.5	20.7	7.8
ROCK CREEK B	49.0	<0.01		0.1		0.1	0.1	
ROCK CREEK F TOTAL	6 941.0			1 269.0	262.0	1 531.0	1 242.8	288.2
PRIMARY AREA	401.0	0.23		92.2		92.2		
WATER FLOOD AREA	6 540.0	0.18	0.04	1 177.0	262.0	1 439.0		
ROCK CREEK G	140.0	0.10		14.0		14.0	9.3	4.7
ROCK CREEK H	1 827.0	0.15		274.0		274.0	94.1	179.9
ROCK CREEK I	221.0	0.15		33.2		33.2	27.9	5.3
ROCK CREEK J	72.6	0.10		7.3		7.3	2.2	5.1
ROCK CREEK L	65.9	0.10		6.6		6.6	3.4	3.2
ROCK CREEK M	487.0	0.15		73.1		73.1	20.4	52.7
ROCK CREEK N	956.0	0.20		191.0		191.0	52.1	138.9
FIELD TOTAL	13 238.6			2 036.5	262.0	2 298.5	1 565.1	733.4
NORMANDVILLE 079-22W5								
JURASSIC A	120.0	0.01		1.3		1.3	1.3	
MISSISSIPPIAN B	23.0	0.04		0.9		0.9	0.9	
MISSISSIPPIAN E	212.0	0.10		21.2		21.2	6.6	14.6
MISSISSIPPIAN F	214.0	0.05		10.7		10.7	3.8	6.9
PEKISKO A	145.0	0.20		29.0		29.0	8.6	20.4
D-1 A	531.0	0.35		186.0		186.0	175.9	10.1
D-1 B	403.0	<0.01		0.4		0.4	0.4	
D-1 C	129.0	0.35		45.2		45.2	5.3	39.9
D-1 D	101.0	0.25		25.3		25.3	3.2	22.1
D-1 E	88.0	0.35		30.8		30.8	24.3	6.5
D-1 F	150.0	0.35		52.5		52.5	39.8	12.7
D-1 G	336.0	0.20		67.2		67.2	24.8	42.4
D-3 A	412.0	0.46		190.0		190.0	172.2	17.8
D-3 B	526.0	0.40		210.0		210.0	189.5	20.5
D-3 C	241.0	0.35		84.4		84.4	25.6	58.8
GILWOOD A	220.0	0.30		66.0		66.0	50.5	15.5
FIELD TOTAL	3 851.0			1 020.9		1 020.9	732.7	288.2
NORRIS 054-18W4								
LOWER VIKING B	104.0	0.10		10.4		10.4	6.6	3.8
FIELD TOTAL *	104.0			10.4		10.4	6.6	3.8
NORTHVILLE 052-10W5								
CARDIUM A	367.0	0.05		18.4		18.4	2.6	15.8
ROCK CREEK A	75.3	<0.01		0.6		0.6	0.6	
JURASSIC A	231.0	0.10		23.1		23.1	3.9	19.2
JURASSIC E	76.1	0.10		7.6		7.6	6.6	1.0
FIELD TOTAL	749.4			49.7		49.7	13.7	36.0
OBERLIN 038-21W4								
MANNVILLE C	197.0	0.04		7.9		7.9	4.7	3.2
FIELD TOTAL	197.0			7.9		7.9	4.7	3.2
OGSTON 089-10W5								
KEG RIVER SANDSTONE A	1 407.0	0.05		70.4		70.4	57.8	12.6

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
64	2.72	0.114	0.22	0.87	48	834	57	9 506	-595.8	1 427.8	1970	87 01
64	6.00	0.056	0.25	0.85	64	865	42	9 491	-568.5	1 402.7	1984	85 03
128	2.84	0.100	0.28	0.88	44	856	52	9 180	-569.1	1 384.4	1982	86 04 - GPP
64	4.00	0.110	0.29	0.88	44	856	52	8 700	-485.8	1 381.9	1984	88 12 - ABAND 90 09
64	3.35	0.100	0.25	0.88	45	856	52	9 374	-614.2	1 453.9	1985	86 05
64	4.12	0.080	0.26	0.88	44	856	52	8 759	-572.0	1 418.7	1985	92 03 - GPP
64	5.60	0.080	0.26	0.88	44	856	52	10 218	-582.5	1 422.3	1986	87 04
64	1.60	0.070	0.38	0.88	44	856	52	9 335	-567.8	1 378.0	1987	87 07 - ABAND 89 03
64	2.97	0.110	0.23	0.88	44	856	52	9 400	-507.6	1 390.3	1986	86 10 - ABAND 90 06
64	3.20	0.100	0.34	0.88	44	856	52	8 188	-536.4	1 339.0	1987	92 12 - GPP
241	1.54	0.160	0.40	0.73	114	839	80	16 311	-1 108.5	1 933.5	1964	88 12 - GPP
64	3.66	0.150	0.35	0.73	114	839	80	16 536	-1 126.5	1 961.7	1967	76 08
64	4.63	0.130	0.37	0.73	56	900	80	16 026	-1 112.1	1 947.7	1979	79 12
64	3.00	0.120	0.30	0.72	120	892	65	17 266	-1 091.4	1 900.7	1981	88 12
64	2.00	0.150	0.13	0.74	110	832	76	16 131	-1 079.7	1 937.8	1988	91 04 - GPP
128	2.30	0.130	0.32	0.73	114	864	76	16 199	-1 035.7	1 861.3	1980	90 08 - GPP
64	1.50	0.110	0.42	0.80	135	883	62	15 389	-1 084.7	1 903.8	1985	88 12 - ABAND 90 05
2 813					114	839	76	16 278	-1 128.7	1 968.8	1965	92 06 - GPP
303	1.96	0.157	0.41	0.73								
2 510	4.43	0.152	0.47	0.73								
64	4.40	0.126	0.46	0.73	115	876	71	15 252	-1 027.4	1 910.7	1986	87 04
385	6.59	0.137	0.28	0.73	120	834	70	16 254	-1 075.0	1 928.5	1984	89 04
64	4.92	0.170	0.45	0.75	84	879	71	16 248	-1 081.3	1 887.8	1974	75 12
64	0.90	0.210	0.25	0.80	93	841	54	14 343	-1 090.2	1 948.4	1987	88 11 - GPP
32	3.85	0.120	0.45	0.81	74	865	74	12 780	-989.9	1 791.9	1986	91 03
64	9.84	0.129	0.20	0.75	100	862	75	15 398	-969.0	1 794.9	1988	89 10 - GPP
315	4.78	0.110	0.23	0.75	100	862	75	14 657	-988.8	1 792.6	1987	93 12 - GPP
32	3.66	0.150	0.25	0.90	35	921	33	7 357	-231.3	807.1	1956	61 02 - ABAND 61 11
16	1.52	0.150	0.25	0.84	62	839	37	10 930	-491.5	1 066.0	1957	61 02 - ABAND 61 11
32	7.10	0.200	0.45	0.85	57	833	40	15 788	-1 224.7	1 797.0	1990	91 01 - GPP
32	6.00	0.230	0.43	0.85	60	836	37	11 546	-507.9	1 080.8	1990	91 05 - GPP
64	3.40	0.120	0.33	0.83	100	834	48	13 581	-814.8	1 391.1	1991	93 12 - GPP
365	7.04	0.035	0.28	0.82	68	834	53	18 089	-1 190.8	1 766.8	1956	85 12 - GPP
32	77.50	0.030	0.34	0.82	66	855	57	13 741	-1 171.3	1 755.9	1984	91 01
32	69.30	0.010	0.30	0.83	62	849	61	18 527	-1 224.2	1 796.4	1990	90 09 - GPP
32	24.90	0.020	0.24	0.83	62	848	61	18 426	-1 195.1	1 755.0	1990	91 07
32	11.40	0.045	0.33	0.80	76	844	60	18 383	-1 211.0	1 783.0	1990	90 10
32	20.70	0.040	0.28	0.79	102	851	72	18 400	-1 207.1	1 779.6	1990	91 10 - GPP
20	51.90	0.050	0.19	0.80	76	844	60	17 091	-1 153.7	1 728.1	1991	92 02
65	21.34	0.046	0.19	0.80	77	825	66	21 852	-1 467.9	2 049.6	1949	86 12 - GPP
231	13.00	0.030	0.27	0.80	77	825	66	21 824	-1 471.4	2 045.3	1958	92 11 - GPP
64	12.70	0.050	0.26	0.80	75	827	69	20 900	-1 471.8	2 051.6	1991	91 12
64	3.72	0.150	0.30	0.88	39	833	68	24 821	-1 721.7	2 319.0	1987	92 12 - GPP
64	3.10	0.130	0.55	0.90	42	874	20	5 529	-7.0	687.3	1982	83 11 - GPP
64	11.00	0.130	0.55	0.89	41	868	54	7 720	-584.7	1 450.5	1981	89 08
64	2.80	0.100	0.40	0.70	150	813	62	17 090	-1 120.6	1 982.9	1984	85 07
64	8.00	0.095	0.35	0.73	120	885	77	16 094	-1 140.9	2 032.7	1981	82 03
64	3.21	0.084	0.37	0.70	130	800	62	17 311	-1 108.5	1 986.3	1986	86 08 - GPP
64	2.77	0.160	0.20	0.87	51	870	47	10 081	-505.4	1 324.1	1973	80 12 - GPP
320	4.80	0.150	0.29	0.86	62	829	49	16 465	-937.0	1 501.2	1975	79 12 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
OGSTON 089-10W5 (CONTINUED)								
KEG RIVER SANDSTONE B	127.0	<0.02		1.6		1.6	1.6	
GRANITE WASH B	259.0	0.40		104.0		104.0	58.9	45.1
GRANITE WASH C	131.0	0.10		13.1		13.1	1.1	12.0
GRANITE WASH D	99.5	0.15		14.9		14.9	0.4	14.5
FIELD TOTAL	2 023.5			204.0		204.0	119.8	84.2
OKOTOKS 022-28W4								
ELLERSLIE A	107.0	0.05		5.4		5.4	0.8	4.6
WABAMUN A	167.0	<0.01		1.5		1.5	1.5	
FIELD TOTAL	274.0			6.9		6.9	2.3	4.6
OTTER 088-12W5								
SLAVE POINT A	1 953.0	0.15		293.0		293.0	133.0	160.0
SLAVE POINT B	457.0	0.15		68.6		68.6	18.7	49.9
GRANITE WASH A	3 678.0	0.20		736.0		736.0	595.5	140.5
GRANITE WASH D	49.7	0.15		7.5		7.5	4.6	2.9
GRANITE WASH F	2 056.0	0.25		514.0		514.0	380.2	133.8
GRANITE WASH I	1 038.0	0.30		311.0		311.0	144.3	166.7
GRANITE WASH J	86.6	0.20		17.3		17.3	10.5	6.8
GRANITE WASH K	1 085.0	0.20		217.0		217.0	47.0	170.0
GRANITE WASH M	273.0	<0.02		4.0		4.0	4.0	
GRANITE WASH N	116.0	<0.02		1.2		1.2	1.2	
GRANITE WASH O	109.0	0.20		21.8		21.8	2.2	19.6
GRANITE WASH P	92.9	<0.02		1.1		1.1	1.1	
GRANITE WASH R	546.0	0.30		164.0		164.0	50.5	113.5
GRANITE WASH S	57.1	<0.01		0.1		0.1	0.1	
GRANITE WASH T	50.7	0.10		5.1		5.1	4.1	1.0
GRANITE WASH U	201.0	0.20		40.2		40.2	14.2	26.0
GRANITE WASH V	203.0	0.10		20.3		20.3	1.7	18.6
GRANITE WASH W	303.0	0.20		60.6		60.6	14.1	46.5
GRANITE WASH X	29.5	0.30		8.9		8.9	1.0	7.9
GRANITE WASH Y	390.0	0.25		97.5		97.5	15.4	82.1
GRANITE WASH Z	47.8	0.20		9.6		9.6	5.2	4.4
GRANITE WASH AA	62.6	0.25		15.7		15.7	1.6	14.1
GRANITE WASH BB	55.4	0.20		11.1		11.1	7.4	3.7
GRANITE WASH CC	141.0	0.30		42.3		42.3	22.3	20.0
FIELD TOTAL	13 081.3			2 667.9		2 667.9	1 479.9	1 188.0
PADDLE RIVER 057-08W5								
D-2 A	181.0	<0.13		22.2		22.2	22.2	
FIELD TOTAL *	181.0			22.2		22.2	22.2	
PAKOWKI LAKE 004-07W4								
SUNBURST A	62.1	<0.01		0.4		0.4	0.4	
SUNBURST B	535.0	0.10		53.5		53.5	24.7	28.8
FIELD TOTAL	597.1			53.9		53.9	25.1	28.8
PANNY 096-06W5								
KEG RIVER A	739.0	0.25		185.0		185.0	119.3	65.7
KEG RIVER B	244.0	0.10		24.4		24.4	12.3	12.1
KEG RIVER C	1 416.0	0.30		425.0		425.0	241.5	183.5
KEG RIVER D	2 600.0	0.25		650.0		650.0	392.8	257.2
KEG RIVER E	122.0	0.40		48.8		48.8	36.9	11.9
KEG RIVER F	851.0	0.10		85.1		85.1	29.0	56.1
KEG RIVER G	350.0	0.17		59.5		59.5	50.2	9.3
KEG RIVER H	190.0	0.10		19.0		19.0	11.6	7.4
KEG RIVER I	239.0	0.25		59.8		59.8	36.6	23.2
KEG RIVER J	171.0	0.25		42.8		42.8	15.0	27.8
KEG RIVER K	99.7	0.15		15.0		15.0	13.8	1.2
KEG RIVER L	86.6	0.10		8.7		8.7	2.9	5.8
KEG RIVER M	88.4	0.20		17.7		17.7	9.8	7.9
KEG RIVER N	148.0	<0.01		0.2		0.2	0.2	
KEG RIVER O	46.2	0.25		11.6		11.6	0.7	10.9
KEG RIVER P	312.0	0.25		78.0		78.0	37.8	40.2
KEG RIVER Q	83.5	0.25		20.9		20.9	12.3	8.6

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
16	7.32	0.220	0.42	0.85	50	829	43	16 135	-937.3	1 491.1	1976	92 11 - ABAND 82 02
116	1.94	0.210	0.37	0.87	39	837	41	15 858	-947.7	1 561.6	1989	93 12 - GPP
32	3.80	0.200	0.38	0.87	51	832	41	15 832	-942.1	1 512.0	1990	92 02 - GPP
64	2.03	0.160	0.45	0.87	39	837	41	15 863	-948.3	1 558.4	1990	91 11 - GPP
32	6.20	0.110	0.38	0.79	80	860	57	18 849	-1 005.7	2 027.5	1991	93 01
64	6.10	0.100	0.25	0.57	235	811	77	26 517	-1 505.6	2 634.9	1978	84 07 - ABAND 83 07
500	9.57	0.065	0.31	0.91	34	833	54	15 931	-903.2	1 557.1	1981	90 12 - GPP
141	7.30	0.070	0.28	0.88	34	875	54	13 781	-900.4	1 528.7	1990	92 12
106	3.06	0.196	0.37	0.88	37	832	43	16 308	-959.8	1 592.0	1983	87 11 - GPP
64	0.76	0.191	0.37	0.85	55	840	44	14 851	-962.4	1 609.0	1983	84 11 - GPP
601	3.02	0.190	0.33	0.89	36	860	40	16 257	-967.4	1 597.1	1984	92 07 - GPP
192	4.25	0.220	0.35	0.89	35	835	44	16 384	-969.9	1 571.1	1984	86 09 - GPP
32	3.07	0.183	0.44	0.86	49	829	40	16 016	-966.2	1 564.4	1986	91 12 - GPP
388	2.82	0.190	0.40	0.87	38	840	40	16 037	-962.2	1 577.7	1985	93 03 - GPP
64	5.16	0.161	0.43	0.90	34	834	43	15 473	-951.3	1 548.1	1984	87 11 - ABAND 89 04
64	2.73	0.146	0.47	0.86	34	830	43	10 560	-941.1	1 529.4	1985	87 10 - ABAND 89 03
64	2.40	0.160	0.50	0.89	66	831	39	16 199	-969.8	1 568.5	1985	89 05 - GPP
64	2.00	0.150	0.45	0.88	42	839	55	19 878	-1 568.0	1 629.6	1988	91 08 - ABAND 91 02
64	7.89	0.185	0.35	0.90	34	845	43	15 032	-967.5	1 594.7	1989	89 08 - GPP
64	1.34	0.153	0.50	0.87	39	822	41	14 921	-972.7	1 623.4	1989	91 08 - ABAND 91 02
16	2.86	0.190	0.33	0.87	39	837	41	14 968	-971.7	1 602.3	1989	92 08 - GPP
64	3.00	0.180	0.33	0.87	39	837	41	14 780	-961.9	1 604.1	1990	90 07 - GPP
64	4.49	0.140	0.42	0.87	39	837	41	15 310	-962.6	1 569.7	1990	91 03 - GPP
128	2.27	0.200	0.40	0.87	39	837	41	14 876	-975.2	1 619.3	1990	93 05 - GPP
32	1.30	0.160	0.49	0.87	39	822	41	15 045	-959.1	1 564.1	1990	90 10 - GPP
64	4.67	0.200	0.25	0.87	51	832	41	14 903	-968.4	1 599.8	1990	91 01 - GPP
64	1.05	0.150	0.49	0.93	22	824	39	15 110	-952.4	1 577.5	1989	91 10 - GPP
64	1.00	0.150	0.25	0.87	51	832	41	13 651	-972.6	1 597.2	1991	92 03 - GPP
64	1.20	0.180	0.55	0.89	36	860	40	12 760	-966.7	1 608.4	1988	92 05 - GPP
64	2.89	0.150	0.43	0.89	36	860	40	12 808	-972.7	1 610.2	1989	92 05 - GPP
64	8.84	0.053	0.25	0.80	117	876	70	14 220	-1 113.7	1 835.2	1954	71 11 - ABAND 78 10
32	1.80	0.190	0.39	0.93	30	923	33	8 806	-20.0	887.8	1976	83 05
188	1.89	0.230	0.28	0.91	32	830	40	8 992	-40.8	931.6	1979	89 10
331	3.80	0.090	0.25	0.87	51	829	38	12 212	-645.0	1 175.7	1984	92 05 - GPP
64	5.90	0.080	0.07	0.87	63	831	38	11 619	-609.0	1 124.3	1984	89 12 - GPP
256	11.50	0.070	0.21	0.87	51	829	38	13 105	-694.8	1 233.2	1984	93 06 - GPP
421	11.38	0.080	0.22	0.87	51	837	38	12 707	-672.0	1 231.2	1983	91 12 - GPP
100	3.45	0.059	0.32	0.88	51	829	38	12 298	-651.6	1 175.3	1984	89 12 - GPP
271	6.10	0.080	0.26	0.87	52	840	38	12 636	-649.3	1 178.9	1985	93 06 - GPP
64	11.99	0.069	0.24	0.87	51	829	38	12 404	-672.4	1 194.0	1985	91 12 - GPP
100	7.00	0.054	0.43	0.88	38	828	38	11 979	-699.8	1 265.9	1985	87 08 - GPP
32	14.17	0.072	0.16	0.87	52	830	38	11 792	-633.7	1 148.8	1986	91 12 - GPP
64	11.70	0.054	0.52	0.88	44	835	28	13 346	-770.2	1 277.2	1986	87 02 - GPP
48	7.86	0.049	0.38	0.87	52	834	38	13 198	-746.8	1 265.0	1985	92 09 - GPP
64	3.00	0.073	0.29	0.87	52	845	38	13 148	-754.3	1 264.5	1986	87 02 - GPP
32	10.80	0.042	0.30	0.87	47	834	37	13 153	-743.0	1 254.6	1985	91 12 - GPP
64	7.54	0.061	0.40	0.84	65	834	38	12 500	-765.5	1 258.2	1986	89 12
16	6.14	0.090	0.40	0.87	52	829	38	13 648	-739.6	1 271.0	1986	93 03
128	6.50	0.060	0.28	0.87	52	825	38	12 768	-724.0	1 246.5	1986	88 05 - GPP
32	7.02	0.057	0.25	0.87	52	837	38	11 604	-660.4	1 181.8	1987	91 12 - GPP

TABLE 2-6

FIELD POOL	1 INITIAL VOLUME IN PLACE 10 ³ m ³	2 3		4 5		6	7	8
		RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 10 ³ m ³	REMAINING ESTABLISHED RESERVES 10 ³ m ³
		PRIMARY frac	ENHANCED frac	PRIMARY 10 ³ m ³	ENHANCED 10 ³ m ³	TOTAL 10 ³ m ³		
PANNY 096-06W5 (CONTINUED)								
KEG RIVER R	580.0	0.10		58.0		58.0	37.3	20.7
KEG RIVER S	196.0	0.05		9.8		9.8	1.4	8.4
KEG RIVER T	229.0	<0.01		1.0		1.0	1.0	
KEG RIVER U	167.0	0.25		41.8		41.8	22.9	18.9
KEG RIVER V	791.0	0.02		15.8		15.8	4.3	11.5
KEG RIVER W	180.0	0.15		27.0		27.0	3.8	23.2
KEG RIVER X	173.0	<0.01		0.1		0.1	0.1	
KEG RIVER Y	436.0	0.10		43.6		43.6	21.2	22.4
KEG RIVER Z	291.0	0.15		43.7		43.7	8.6	35.1
KEG RIVER AA	235.0	0.10		23.5		23.5	4.5	19.0
KEG RIVER BB	123.0	<0.01		0.1		0.1	0.1	
KEG RIVER CC	357.0	0.10		35.7		35.7	1.0	34.7
FIELD TOTAL	11 544.4			2 051.6		2 051.6	1 128.9	922.7
PARFLESH 025-22W4								
UPPER MANNVILLE C	101.0	<0.01		0.3		0.3	0.3	
UPPER MANNVILLE D	328.0	0.10		32.8		32.8	17.6	15.2
UPPER MANNVILLE G	1 400.0	0.10	0.40	140.0	560.0	700.0	615.0	85.0
WATER FLOOD								
UPPER MANNVILLE H	34.4	<0.02		0.5		0.5	0.5	
LOWER MANNVILLE B	385.0	<0.02		4.3		4.3	4.3	
LOWER MANNVILLE D	211.0	0.05		10.5		10.5	0.5	10.0
LOWER MANNVILLE E	43.3	0.10		4.3		4.3	0.7	3.6
FIELD TOTAL	2 502.7			192.7	560.0	752.7	638.9	113.8
PEARCE 009-24W4								
BANFF A	154.0	<0.04		5.0		5.0	5.0	
D-2 A	108.0	<0.09		9.7		9.7	9.7	
FIELD TOTAL	262.0			14.7		14.7	14.7	
PEARL 030-16W4								
BANFF A	61.2	0.18		11.0		11.0	9.1	1.9
FIELD TOTAL	61.2			11.0		11.0	9.1	1.9
PEAVEY 056-24W4								
MIDDLE VIKING A	529.0	0.20		106.0		106.0	98.9	7.1
MIDDLE VIKING B	52.0	<0.01		0.2		0.2	0.2	
BLAIRMORE TOTAL	1 898.0			379.0	63.6	443.0	258.6	184.4
PRIMARY AREA	1 262.0	0.20		252.0		252.0		
WATER FLOOD AREA	636.0	0.20	0.10	127.0	63.6	191.0		
BLAIRMORE B	225.0	<0.01		0.9		0.9	0.9	
BLAIRMORE C	79.3	0.15		11.9		11.9	9.7	2.2
BLAIRMORE F	73.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL	2 856.3			498.1	63.6	562.1	368.4	193.7
PECO 047-15W5								
BELLY RIVER C	1 780.0	0.10		178.0		178.0	123.4	54.6
BELLY RIVER D	202.0	0.10		20.2		20.2	2.6	17.6
BELLY RIVER E	314.0	0.05		15.7		15.7	7.6	8.1
BELLY RIVER H	547.0	0.10		54.7		54.7	29.6	25.1
BELLY RIVER K	170.0	0.10		17.0		17.0	15.5	1.5
BELLY RIVER L	154.0	0.10		15.4		15.4	0.1	15.3
BELLY RIVER O	232.0	0.10		23.2		23.2	19.0	4.2
BELLY RIVER P	396.0	0.05		19.8		19.8	0.1	19.7
CARDIUM C	228.0	0.10		22.8		22.8	17.0	5.8
CARDIUM D	47.3	0.10		4.7		4.7	1.0	3.7
CARDIUM E	33.4	0.15		5.0		5.0	4.3	0.7
CARDIUM G	199.0	0.10		19.9		19.9	11.4	8.5
CARDIUM H	76.6	0.10		7.7		7.7	6.1	1.6
VIKING A	224.0	<0.02		2.9		2.9	2.9	
GETHING B	185.0	0.10		18.5		18.5	5.9	12.6
FIELD TOTAL	4 788.3			425.5		425.5	246.5	179.0
PEMBINA 048-07W5								
BELLY RIVER G	215.0	0.15		32.3		32.3	30.4	1.9

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
64	14.50	0.091	0.22	0.88	51	833	38	12 475	-709.9	1 241.7	1986	91 12 - GPP
64	7.84	0.075	0.40	0.87	51	829	38	11 814	-691.7	1 252.4	1987	89 12 - GPP
64	8.78	0.067	0.30	0.87	52	836	38	11 410	-652.9	1 165.1	1987	89 12 - GPP
32	10.60	0.081	0.30	0.87	51	829	38	12 295	-691.9	1 259.7	1987	91 12 - GPP
128	15.40	0.072	0.36	0.87	52	837	38	12 365	-651.3	1 183.5	1987	89 12 - GPP
64	10.30	0.056	0.44	0.87	52	829	38	12 477	-716.7	1 287.8	1987	87 08 - GPP
64	7.97	0.071	0.45	0.87	52	829	38	12 243	-691.5	1 194.0	1987	87 08 - ABAND 89 04
32	21.90	0.094	0.24	0.87	52	820	38	11 849	-630.1	1 149.2	1987	87 12 - GPP
32	15.20	0.093	0.27	0.88	51	840	38	12 110	-654.8	1 218.9	1986	91 12 - GPP
32	16.50	0.080	0.36	0.87	52	837	38	11 569	-682.0	1 197.4	1988	88 07 - GPP
64	6.70	0.060	0.45	0.87	52	829	38	13 232	-770.7	1 271.4	1988	88 09 - ABAND 89 12
64	12.00	0.080	0.34	0.88	51	829	38	13 625	-736.7	1 270.7	1988	92 06 - GPP
64	2.00	0.160	0.40	0.82	70	847	49	10 390	-591.6	1 493.3	1981	83 04 - GPP
64	9.50	0.130	0.50	0.83	66	860	37	8 857	-556.0	1 442.3	1981	83 09 - GPP
360	2.61	0.230	0.21	0.82	56	858	45	10 595	-573.4	1 462.9	1963	90 12 - GPP
16	3.66	0.140	0.50	0.84	66	858	49	9 195	-573.9	1 462.4	1978	92 10 - GPP
65	5.49	0.180	0.25	0.80	71	849	46	10 646	-586.9	1 493.7	1969	83 12 - GPP
64	7.00	0.140	0.60	0.84	67	857	43	10 766	-615.1	1 537.4	1980	84 05 - GPP
16	3.00	0.160	0.32	0.83	66	855	49	10 991	-655.7	1 578.2	1991	92 12 - GPP
64	4.01	0.100	0.25	0.80	89	892	54	23 715	-1 263.0	2 210.9	1977	92 07 - ABAND 90 11
64	4.64	0.070	0.20	0.65	186	829	51	19 973	-1 438.5	2 397.1	1977	92 10 - GPP
64	2.13	0.060	0.15	0.88	51	894	38	9 302	-365.2	1 291.8	1976	93 12 - GPP
146	2.59	0.203	0.25	0.92	37	876	38	6 356	-167.5	877.4	1951	86 12 - GPP
64	1.30	0.170	0.60	0.92	32	876	32	6 116	-141.5	851.5	1987	92 10 - GPP
400	3.25	0.206	0.23	0.90	35	876	43	8 369	-357.8	1 066.6	1951	86 08 - GPP
272	3.48	0.206	0.23	0.90	42	912	33	7 244	-374.1	1 074.2	1976	84 03 - GPP
32	5.00	0.240	0.35	0.90	32	916	35	6 122	-366.2	1 071.8	1983	91 12 - GPP
16	3.90	0.220	0.32	0.85	28	898	40	6 865	-373.1	1 075.1	1987	92 10 - GPP
467	4.70	0.160	0.35	0.78	80	806	52	12 962	-913.4	2 161.0	1983	91 12 - GPP
64	5.20	0.120	0.35	0.78	90	799	50	12 011	-809.6	2 000.2	1984	85 03 - GPP
100	6.19	0.100	0.35	0.78	52	824	52	13 453	-953.0	2 205.5	1983	92 08 - GPP
128	7.32	0.110	0.32	0.78	80	806	52	12 703	-897.7	2 183.6	1984	89 05 - GPP
64	4.99	0.110	0.38	0.78	85	806	50	12 490	-750.2	2 027.6	1985	93 09 - GPP
64	4.00	0.140	0.45	0.78	88	830	62	10 351	-825.1	1 997.8	1985	85 12 - GPP
64	4.60	0.140	0.25	0.75	111	797	66	12 012	-946.4	2 231.4	1987	88 07 - GPP
64	8.10	0.140	0.30	0.78	80	806	52	7 468	-603.0	1 794.8	1984	91 12 - GPP
156	2.60	0.110	0.15	0.60	204	792	92	25 111	-1 289.7	2 464.5	1976	85 12 - GPP
64	1.40	0.110	0.20	0.60	200	791	74	25 160	-1 295.6	2 473.2	1981	82 07 - GPP
108	0.92	0.070	0.20	0.60	200	786	77	27 276	-1 321.0	2 481.9	1982	87 12 - GPP
192	2.21	0.100	0.22	0.60	210	792	77	31 407	-1 334.6	2 484.7	1983	85 03 - GPP
64	1.90	0.150	0.30	0.60	210	788	77	26 270	-1 314.4	2 442.8	1986	86 10 - GPP
64	4.00	0.160	0.30	0.78	80	820	88	33 876	-1 583.6	2 690.9	1976	81 12 - ABAND 85 11
64	4.00	0.110	0.18	0.80	350	783	100	29 776	-1 905.0	3 034.8	1984	84 12 - GPP
75	3.05	0.150	0.30	0.89	35	834	42	6 989	-243.5	1 121.9	1955	92 12 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
PEMBINA 048-07W5 (CONTINUED)								
BELLY RIVER H	923.0	0.10		92.3		92.3	71.5	20.8
BELLY RIVER I TOTAL	14 980.0			1 654.0	255.0	1 909.0	1 224.6	684.4
PRIMARY AREA	9 879.0	0.09		889.0		889.0		
WATER FLOOD AREA	5 100.0	<0.15	0.05	765.0	255.0	1 020.0		
BELLY RIVER J TOTAL	2 317.0			222.0	117.0	339.0	297.9	41.1
PRIMARY AREA	1 419.0	0.08		114.0		114.0		
WATER FLOOD AREA	898.0	0.12	0.13	108.0	117.0	225.0		
BELLY RIVER P	203.0	0.05		10.2		10.2	1.4	8.8
BELLY RIVER AA	4 808.0	0.04		192.0		192.0	126.1	65.9
BELLY RIVER DD	491.0	0.05		24.6		24.6	3.0	21.6
BELLY RIVER EE	408.0	<0.01		3.2		3.2	3.2	
BELLY RIVER II	1 404.0	0.06		84.2		84.2	70.0	14.2
BELLY RIVER JJ	254.0	0.03		7.6		7.6	6.7	0.9
BELLY RIVER MM	715.0	0.05		35.8		35.8	29.9	5.9
BELLY RIVER QQ	317.0	<0.01		0.4		0.4	0.4	
BELLY RIVER RR	438.0	0.02		8.8		8.8	4.1	4.7
BELLY RIVER TT	72.2	0.03		2.2		2.2	1.6	0.6
BELLY RIVER XX	224.0	<0.02		2.4		2.4	2.4	
BELLY RIVER FFF, GGG	14 700.0			828.0	469.0	1 297.0	734.6	562.4
K2K & S2S TOTAL								
PRIMARY AREA	7 995.0	<0.05		393.0		393.0		
WATER FLOOD AREA	6 703.0	<0.07	0.07	435.0	469.0	904.0		
BELLY RIVER	575.0	0.02		11.5		11.5	2.3	9.2
B2B & C2C								
BELLY RIVER C & D	84 000.0			8 985.0	11 460.0	20 440.0	14 125.9	6 314.1
TOTAL								
PRIMARY AREA	15 260.0	0.09		1 374.0		1 374.0		
WATER FLOOD AREA	68 740.0	<0.12	0.17	7 611.0	11 460.0	19 070.0		
BELLY RIVER BBB	126.0	0.10		12.6		12.6	4.4	8.2
BELLY RIVER DDD	3 821.0			573.0	631.0	1 204.0	661.1	542.9
TOTAL								
PRIMARY AREA	152.0	0.15		22.8		22.8		
WATER FLOOD AREA	3 669.0	0.15	0.17	550.0	631.0	1 181.0		
BELLY RIVER JJJ	292.0	0.03		8.8		8.8	3.0	5.8
BELLY RIVER MMM	350.0	<0.01		0.3		0.3	0.3	
BELLY RIVER NNN	217.0	0.05		10.9		10.9	2.1	8.8
BELLY RIVER RRR	315.0	0.02		6.3		6.3	5.2	1.1
BELLY RIVER TTT	1 895.0	0.05		94.8		94.8	38.3	56.5
BELLY RIVER VVV	239.0	<0.01		0.2		0.2	0.2	
BELLY RIVER WWW	125.0	<0.01		0.1		0.1	0.1	
BELLY RIVER XXX	191.0	<0.01		0.1		0.1	0.1	
BELLY RIVER A2A	875.0	0.06		52.5		52.5	35.8	16.7
BELLY RIVER E2E	144.0	0.10		14.4		14.4	6.6	7.8
BELLY RIVER G2G	130.0	0.10		13.0		13.0	3.5	9.5
BELLY RIVER M2M	340.0	0.03		10.2		10.2	9.6	0.6
BELLY RIVER N2N	121.0	<0.01		0.9		0.9	0.9	
BELLY RIVER Q2Q	320.0	<0.01		1.8		1.8	1.8	
BELLY RIVER R2R	133.0	<0.01		0.1		0.1	0.1	
BELLY RIVER U2U	200.0	0.02		4.0		4.0	2.2	1.8
BELLY RIVER W2W	164.0	<0.01		0.1		0.1	0.1	
BELLY RIVER X2X	600.0	0.05		30.0		30.0	5.1	24.9
BELLY RIVER Z2Z	123.0	0.05		6.2		6.2	3.0	3.2
BELLY RIVER A3A	368.0	<0.01		1.0		1.0	1.0	
BELLY RIVER B3B	250.0	0.10		25.0		25.0	6.6	18.4
BELLY RIVER E3E	173.0	<0.01		0.3		0.3	0.3	
BELLY RIVER M3M	463.0	0.05		23.2		23.2	1.8	21.4
BELLY RIVER O3O	85.2	0.10		8.5		8.5	0.9	7.6
BELLY RIVER U3U	242.0	0.05		12.1		12.1	1.7	10.4
BELLY RIVER V3V	252.0	0.05		12.6		12.6	0.5	12.1
BELLY RIVER	1 630.0	0.05		81.5		81.5		81.5
S3S & T3T								
LEA PARK A	335.0	<0.18		60.0		60.0	37.7	22.3
CARDIUM TOTAL	1 101 000.0			114 300.0	106 500.0	220 800.0	177 724.0	43 076.0
PRIMARY AREA	278 000.0	<0.09		23 800.0		23 800.0		
WATER FLOOD AREA	823 000.0	0.11	0.13	90 530.0	106 500.0	197 000.0		
CARDIUM B	636.0	0.04		25.4		25.4	23.5	1.9
CARDIUM C	100.0	0.03		3.0		3.0	2.5	0.5
CARDIUM E	187.0	0.05		9.4		9.4	6.1	3.3
CARDIUM F	169.0	<0.01		0.3		0.3	0.3	
CARDIUM G	125.0	<0.01		0.2		0.2	0.2	
CARDIUM H	96.9	0.15		14.5		14.5	12.8	1.7

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
97	8.63	0.200	0.38	0.89	39	820	43	9 940	-508.4	1 372.8	1955	88 12 - GPP
6 335					65	834	37	8 103	-236.5	1 090.6	1954	93 06 - GPP
4 007	4.05	0.180	0.62	0.89								
2 328	4.01	0.186	0.67	0.89								
409					39	819	42	8 393	-361.9	1 280.3	1958	92 08 - GPP
253	5.59	0.200	0.43	0.88								
156	5.74	0.200	0.43	0.88								
64	4.60	0.160	0.50	0.86	45	857	41	6 570	-112.7	983.4	1955	89 04 - GPP
964	4.85	0.205	0.43	0.88	40	844	41	7 465	-154.1	974.9	1965	89 10 - GPP
64	8.50	0.180	0.43	0.88	40	844	43	7 339	-175.8	992.1	1957	85 12 - GPP
65	7.13	0.188	0.46	0.87	43	849	42	6 670	-145.7	1 047.3	1967	76 12 - ABAND 76 09
605	3.15	0.207	0.60	0.89	65	834	44	7 549	-216.0	1 036.2	1957	93 12 - GPP
64	4.32	0.190	0.45	0.88	40	844	36	6 534	-117.9	942.7	1967	81 12 - GPP
154	6.10	0.140	0.39	0.89	40	829	42	12 918	-451.8	1 260.4	1968	77 12 - GPP
65	5.76	0.190	0.50	0.89	44	904	38	6 746	-122.4	973.4	1974	83 12 - GPP
65	6.10	0.200	0.38	0.89	43	829	43	10 377	-423.3	1 296.9	1959	85 12 - GPP
16	4.61	0.200	0.45	0.89	41	844	41	6 162	-112.9	931.3	1975	92 12 - GPP
64	4.92	0.200	0.60	0.89	62	839	31	7 546	-219.8	969.6	1978	82 12
2 378					45	841	32	7 063	-81.4	991.7	1970	92 06
1 559	6.04	0.180	0.47	0.89								
819	9.64	0.180	0.47	0.89								- GPP
128	5.60	0.160	0.43	0.88	40	840	50	7 177	-271.7	1 192.7	1985	89 12 - GPP
20 737					41	839	39	6 701	-103.0	1 008.1	1959	93 06 - GPP
6 401	2.66	0.190	0.47	0.89								
14 336	5.35	0.190	0.47	0.89								
64	2.00	0.190	0.42	0.89	46	846	22	7 293	-87.0	940.0	1978	79 05
1 374					65	817	49	10 856	-511.7	1 447.8	1978	93 12 - GPP
96	2.20	0.136	0.33	0.79								
1 278	3.93	0.134	0.31	0.79								
64	4.70	0.170	0.35	0.88	50	854	41	7 851	-231.1	1 153.1	1979	83 12 - GPP
64	6.30	0.150	0.35	0.89	48	840	36	5 934	-45.7	867.2	1981	82 05 - GPP
64	2.70	0.220	0.36	0.89	55	846	40	6 707	-79.4	995.7	1981	83 12 - GPP
32	8.30	0.212	0.35	0.86	52	862	41	5 852	-32.3	856.5	1982	86 12 - GPP
320	6.93	0.200	0.52	0.89	66	853	37	7 741	-216.6	1 044.0	1980	89 12 - GPP
64	4.60	0.140	0.30	0.83	65	845	52	7 714	-221.5	1 137.9	1983	86 12 - GPP
32	4.40	0.180	0.45	0.90	52	857	41	6 702	-67.7	901.5	1983	84 03 - ABAND 84 07
64	3.00	0.150	0.20	0.83	65	848	52	7 513	-229.7	1 161.5	1983	86 12
473	3.02	0.130	0.38	0.76	65	849	52	9 753	-353.6	1 328.3	1978	93 12
64	3.20	0.135	0.40	0.87	52	817	49	9 315	-351.0	1 277.9	1980	86 03 - GPP
32	4.40	0.180	0.40	0.85	67	839	36	6 201	-26.1	910.5	1984	86 07 - GPP
50	6.42	0.170	0.30	0.89	66	822	37	8 111	-277.4	1 090.1	1985	93 12 - GPP
64	1.99	0.178	0.40	0.89	90	885	44	6 136	-71.4	932.0	1985	93 10 - ABAND 93 06
64	5.40	0.160	0.35	0.89	66	822	39	9 009	-162.6	1 056.8	1985	92 10
64	2.94	0.131	0.35	0.83	72	829	39	12 810	-514.2	1 441.3	1985	86 07 - ABAND 88 09
64	3.86	0.175	0.48	0.89	46	849	36	6 407	-70.6	963.9	1986	91 12 - GPP
64	2.75	0.161	0.35	0.89	48	867	25	8 437	-172.9	1 075.1	1986	86 10 - ABAND 88 10
64	9.86	0.178	0.40	0.89	39	834	43	10 119	-401.3	1 197.4	1959	90 03 - GPP
32	4.00	0.180	0.40	0.89	65	822	38	8 087	-218.5	1 068.0	1984	91 12 - GPP
64	5.50	0.180	0.30	0.83	75	813	32	9 031	-330.2	1 226.3	1976	87 04 - ABAND 90 02
64	5.00	0.180	0.38	0.70	150	791	50	10 108	-497.3	1 377.8	1979	80 03 - GPP
64	6.90	0.150	0.70	0.87	49	840	40	10 870	-340.0	1 256.2	1987	92 10
128	5.65	0.150	0.52	0.89	65	823	38	9 466	-392.9	1 179.8	1989	90 10
64	4.00	0.110	0.66	0.89	39	839	41	9 357	-379.3	1 167.3	1989	90 07
64	3.90	0.180	0.38	0.87	130	827	42	7 978	-299.8	1 218.8	1957	92 10
64	6.81	0.110	0.41	0.89	39	840	39	9 744	-359.2	1 337.4	1954	93 01
573	3.29	0.180	0.46	0.89	45	841	32			962.1	1964	92 03
83	4.20	0.150	0.20	0.80	166	798	52	15 492	-477.5	1 447.4	1985	90 08
191 651					96	834	46	18 985	-662.5	1 540.5	1953	91 12 - GPP
49 291	6.77	0.121	0.15	0.81								
142 360	6.10	0.130	0.10	0.81								
194	4.05	0.116	0.15	0.82	96	834	60	12 520	-462.4	1 215.4	1963	83 12 - GPP
16	7.01	0.130	0.15	0.81	82	834	44	10 368	-508.4	1 339.0	1973	92 12 - GPP
64	2.70	0.150	0.11	0.81	83	834	53	17 632	-862.0	1 840.1	1978	85 12 - GPP
64	3.49	0.110	0.15	0.81	80	834	50	17 832	-808.9	1 761.3	1981	83 12
64	2.81	0.101	0.15	0.81	80	834	56	16 681	-732.0	1 620.8	1981	82 11 - GPP
64	2.00	0.110	0.15	0.81	80	840	40	15 760	-449.7	1 226.4	1982	86 12 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
PEMBINA 048-07W5 (CONTINUED)								
CARDIUM I	100.0	0.20		20.0		20.0	10.1	9.9
CARDIUM J	165.0	0.10		16.5		16.5	1.8	14.7
CARDIUM K	247.0	0.10		24.7		24.7	5.1	19.6
CARDIUM L	363.0	0.15	0.08	54.5	29.0	83.5	61.5	22.0
WATER FLOOD								
CARDIUM M	311.0	0.02		6.2		6.2	5.4	0.8
CARDIUM N	240.0	0.03		7.2		7.2	5.9	1.3
CARDIUM O	24.7	<0.01		0.2		0.2	0.2	
CARDIUM P	386.0	0.05		19.3		19.3	17.1	2.2
CARDIUM Q	129.0	0.10		12.9		12.9	11.4	1.5
CARDIUM R	79.3	0.10		7.9		7.9	4.6	3.3
CARDIUM S	216.0	0.10		21.6		21.6	1.3	20.3
CARDIUM T	547.0	0.15		82.1		82.1	28.3	53.8
CARDIUM U	75.8	0.10		7.6		7.6	0.3	7.3
CARDIUM V	31.7	0.15		4.8		4.8	2.4	2.4
CARDIUM W	101.0	0.05		5.1		5.1	0.3	4.8
CARDIUM X	54.4	0.03		1.6		1.6	1.0	0.6
SECOND WHITE	100.0	0.10		10.0		10.0	4.0	6.0
SPECKS A								
SECOND WHITE	257.0	0.10		25.7		25.7	9.0	16.7
SPECKS B								
SECOND WHITE	140.0	0.05		7.0		7.0	0.3	6.7
SPECKS C								
VIKING B	800.0	0.15		120.0		120.0	118.8	1.2
VIKING D	213.0	<0.01		0.1		0.1	0.1	
VIKING E	5.6	0.05		0.3		0.3	0.3	
VIKING F	52.2	0.15		7.8		7.8	7.4	0.4
VIKING G	136.0	0.10		13.6		13.6	1.7	11.9
VIKING H	76.3	0.05		3.8		3.8	0.4	3.4
VIKING I	39.0	0.10		3.9		3.9	1.6	2.3
VIKING K	30.5	0.10		3.1		3.1	0.2	2.9
GLAUCONITIC J	55.3	0.15		8.3		8.3	6.0	2.3
GLAUCONITIC K	79.4	<0.01		0.2		0.2	0.2	
GLAUCONITIC N	256.0	<0.01		0.1		0.1	0.1	
GLAUCONITIC P	1 103.0	0.08		88.2		88.2	65.0	23.2
GLAUCONITIC Q	164.0	<0.01		0.1		0.1	0.1	
GLAUCONITIC R	1 629.0	0.20		326.0		326.0	205.7	120.3
GLAUCONITIC T	608.0	0.05		30.4		30.4	0.9	29.5
GLAUCONITIC Y	152.0	0.10		15.2		15.2	6.9	8.3
GLAUCONITIC Z	130.0	0.05		6.5		6.5	1.5	5.0
GLAUCONITIC BB	326.0	0.10		32.6		32.6	4.7	27.9
GLAUCONITIC CC	341.0	0.03		10.2		10.2	1.2	9.0
GLAUCONITIC DD	174.0	0.10		17.4		17.4	2.2	15.2
GLAUCONITIC EE	262.0	0.10		26.2		26.2	1.8	24.4
GLAUCONITIC FF	62.1	0.10		6.2		6.2	1.8	4.4
GLAUCONITIC GG	36.8	0.20		7.4		7.4	5.7	1.7
GLAUCONITIC HH	113.0	0.05		5.7		5.7	1.0	4.7
GLAUCONITIC II	91.6	0.10		9.2		9.2	0.2	9.0
GLAUCONITIC KK	96.1	0.15		14.4		14.4	1.9	12.5
GLAUCONITIC F,L & M	126.0	0.10		12.6		12.6	5.0	7.6
OSTRACOD D	239.0	0.05		12.0		12.0	8.4	3.6
OSTRACOD E TOTAL	3 567.0			445.0	790.0	1 235.0	1 082.8	152.2
PRIMARY AREA	132.0	0.25		33.0		33.0		
WATER FLOOD AREA	3 435.0	0.12	0.23	412.0	790.0	1 202.0		
OSTRACOD F	185.0	0.15		27.8		27.8	19.9	7.9
OSTRACOD G TOTAL	437.0			91.7	40.0	132.0	74.3	57.7
PRIMARY AREA	36.5	0.21		7.7		7.7		
GAS FLOOD AREA	400.0	0.21	0.10	84.0	40.0	124.0		
OSTRACOD H	23.4	<0.01		0.2		0.2	0.2	
OSTRACOD K	351.0	0.10		35.1		35.1	19.1	16.0
OSTRACOD M	103.0	<0.01		0.8		0.8	0.8	
OSTRACOD N	37.1	<0.01		0.1		0.1	0.1	
OSTRACOD O	46.0	<0.01		0.3		0.3	0.3	
OSTRACOD P	97.9	0.20		19.6		19.6	8.4	11.2
OSTRACOD Q	73.3	0.15		11.0		11.0	2.7	8.3
OSTRACOD R	142.0	0.10		14.2		14.2	2.1	12.1
ELLERSLIE A	800.0	0.25		200.0		200.0	193.5	6.5
ELLERSLIE D	155.0	<0.02		1.8		1.8	1.8	
ELLERSLIE I	129.0	<0.04		5.0		5.0	5.0	
ELLERSLIE L	266.0	<0.01		0.2		0.2	0.2	
ELLERSLIE N	28.2	<0.01		0.2		0.2	0.2	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
20	5.60	0.120	0.20	0.93	28	873	38	14 531	-372.2	1 132.2	1983	90 12 - GPP
64	3.40	0.110	0.15	0.81	80	834	50	15 189	-829.5	1 844.0	1983	84 04 - GPP
64	4.88	0.115	0.15	0.81	80	834	50	17 848	-804.7	1 763.3	1984	85 03 - GPP
38	7.63	0.160	0.15	0.92	55	835	44	17 887	-587.6	1 463.9	1984	93 10 - GPP
64	5.70	0.110	0.10	0.86	53	845	58	19 541	-784.9	1 744.6	1983	87 12
64	4.20	0.125	0.15	0.84	61	856	56	19 163	-804.1	1 761.0	1984	87 12 - GPP
64	0.40	0.140	0.15	0.81	125	830	56	18 453	-748.8	1 672.8	1984	84 08 - ABAND 91 08
128	3.75	0.110	0.15	0.86	55	835	44	20 669	-699.5	1 670.5	1986	91 12 - GPP
64	2.00	0.140	0.15	0.85	57	875	51	16 140	-429.3	1 195.9	1987	87 12 - GPP
64	1.20	0.150	0.15	0.81	84	865	45	16 076	-414.7	1 367.9	1985	86 01 - GPP
64	3.60	0.130	0.15	0.85	78	833	49	19 545	-544.0	1 429.0	1983	90 03 - GPP
359	2.70	0.080	0.15	0.83	65	846	55	19 576	-548.4	1 464.3	1989	90 05
64	2.10	0.080	0.15	0.83	65	846	55	19 452	-532.6	1 409.5	1979	90 12
64	0.62	0.100		0.80	80	831	54	9 783	-527.4	1 440.4	1991	92 05
64	2.50	0.110	0.30	0.82	76	843	52	9 851	-575.3	1 487.3	1991	92 10
16	4.90	0.120	0.15	0.68	150	796	60	14 000	-918.4	1 814.5	1976	92 12
64	2.00	0.140	0.30	0.80	85	870	60	19 555	-912.2	1 799.0	1984	84 09 - GPP
64	4.30	0.180	0.27	0.71	135	838	53	24 815	-916.4	1 716.7	1985	86 03
32	8.50	0.080	0.25	0.86	121	864	60	19 163	-962.1	1 935.3	1991	93 01 - GPP
1 999	1.42	0.056	0.26	0.68	156	810	65	19 020	-995.1	1 939.8	1982	85 08 - GPP
64	5.20	0.160	0.55	0.89	40	830	40	10 853	-766.7	1 583.0	1983	89 12
64	0.23	0.074	0.26	0.69	136	810	74	17 095	-1 040.4	1 984.8	1984	86 08 - ABAND 86 02
64	1.35	0.120	0.26	0.68	150	810	74	17 759	-1 033.5	1 989.9	1983	87 12 - GPP
64	3.20	0.120	0.34	0.84	60	768	58	10 848	-851.5	1 714.2	1985	87 05
64	1.40	0.150	0.20	0.71	150	810	82	17 551	-1 037.9	1 980.2	1986	88 02
64	1.60	0.080	0.30	0.68	149	832	55	12 131	-893.5	1 742.6	1987	88 02 - GPP
64	1.00	0.100	0.30	0.68	149	826	82	16 891	-1 083.7	1 891.5	1990	91 05 - GPP
64	1.50	0.120	0.40	0.80	90	876	48	14 125	-806.1	1 630.5	1981	89 12 - GPP
16	9.40	0.110	0.40	0.80	88	829	64	13 133	-1 048.2	1 890.8	1981	92 12
64	8.00	0.120	0.48	0.80	85	889	68	12 994	-792.6	1 602.5	1980	84 12
392	5.79	0.116	0.41	0.71	110	871	66	12 133	-759.3	1 560.9	1982	92 12 - GPP
64	4.10	0.130	0.40	0.80	85	860	56	12 909	-1 026.4	1 870.9	1984	85 01
484	4.61	0.120	0.23	0.79	92	850	52	13 212	-797.4	1 609.5	1984	89 09 - GPP
128	9.81	0.110	0.45	0.80	85	877	65	12 424	-975.6	1 777.3	1985	88 03
64	3.20	0.130	0.26	0.77	95	866	62	12 536	-811.4	1 643.0	1986	87 04 - GPP
120	1.50	0.120	0.25	0.80	92	850	52	13 202	-798.0	1 609.4	1985	92 12
64	8.48	0.100	0.25	0.80	75	868	57	12 540	-811.6	1 675.0	1986	87 12 - GPP
64	9.00	0.120	0.36	0.77	95	866	62	13 084	-782.6	1 552.7	1988	89 12 - GPP
64	5.20	0.100	0.32	0.77	95	866	62	12 090	-802.7	1 639.2	1987	88 08
64	6.44	0.103	0.20	0.77	95	866	62	13 767	-794.9	1 614.0	1987	88 08 - GPP
64	1.80	0.110	0.29	0.69	140	856	64	18 772	-959.0	1 834.5	1981	89 02
64	1.01	0.100	0.28	0.79	92	850	52	12 589	-802.0	1 628.5	1987	93 12 - GPP
32	5.08	0.120	0.27	0.79	92	850	52	12 127	-808.5	1 637.9	1988	89 09 - GPP
64	2.10	0.112	0.21	0.77	95	866	62	12 872	-790.3	1 594.0	1987	89 10
64	2.20	0.110	0.27	0.85	62	861	61	13 566	-771.3	1 556.9	1990	91 05
64	2.63	0.120	0.21	0.79	75	876	60	12 541	-811.8	1 629.1	1980	89 09 - GPP
336	1.83	0.090	0.40	0.72	160	839	49	19 193	-955.1	1 738.1	1975	92 11
3 257					123	840	57	15 953	-812.2	1 611.0	1979	89 12
128	1.10	0.160	0.22	0.75								- GPP
3 129	1.22	0.160	0.25	0.75								
64	3.98	0.120	0.16	0.72	140	840	64	15 734	-791.7	1 579.8	1980	93 12
1 034					105	810	57	15 069	-945.8	1 740.8	1979	90 02 - GPP
64	1.10	0.100	0.27	0.71								
970	0.83	0.100	0.30	0.71								
64	0.70	0.110	0.34	0.72	140	840	48	14 087	-811.0	1 626.2	1981	82 08 - GPP
64	5.80	0.150	0.16	0.75	109	888	64	12 919	-800.4	1 591.1	1982	83 05 - GPP
64	2.80	0.150	0.50	0.77	99	910	60	16 863	-867.9	1 665.8	1984	88 12 - ABAND 89 08
64	1.10	0.120	0.43	0.77	99	879	60	16 375	-931.2	1 673.4	1984	85 06 - ABAND 85 07
64	1.60	0.110	0.44	0.73	120	793	58	14 073	-809.0	1 620.8	1980	85 08 - ABAND 90 03
64	1.50	0.150	0.15	0.80	82	860	62	14 825	-981.8	1 857.8	1990	91 12
64	1.50	0.140	0.38	0.88	82	859	62	14 925	-926.8	1 725.9	1990	92 02
64	3.30	0.130	0.40	0.86	100	903	47	14 873	-920.5	1 725.5	1991	92 02
333	2.90	0.140	0.20	0.74	115	865	69	15 643	-922.0	1 770.4	1957	89 12
64	4.80	0.090	0.30	0.80	99	832	46	17 889	-1 363.3	2 323.3	1978	92 10
64	2.80	0.130	0.25	0.74	116	863	67	13 589	-812.5	1 563.6	1983	92 07 - ABAND 92 05
64	6.90	0.134	0.40	0.75	110	860	60	16 965	-1 206.3	2 075.9	1984	85 01 - ABAND 85 09
64	1.20	0.070	0.30	0.75	115	855	60	21 195	-1 365.0	2 243.3	1985	89 12

TABLE 2-6

FIELD POOL	1	3		5			6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL			
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	
PEMBINA 048-07W5 (CONTINUED)									
ELLERSLIE O	246.0	<0.01		0.1		0.1	0.1		
ELLERSLIE P	17.9	<0.01		0.1		0.1	0.1		
ELLERSLIE R	285.0	0.10		28.5		28.5	5.7	22.8	
ELLERSLIE T	30.9	0.25		7.7		7.7	2.1	5.6	
ELLERSLIE V	41.3	0.15		6.2		6.2	2.9	3.3	
ELLERSLIE W	91.1	0.10		9.1		9.1	0.7	8.4	
ELLERSLIE F	227.0	<0.01		0.2		0.2	0.2		
JURASSIC C & D									
ELLERSLIE G,K,M & JURASSIC E	4 677.0	0.04		187.0		187.0	101.5	85.5	
JURASSIC A	690.0	0.03		20.7		20.7	13.3	7.4	
JURASSIC B	242.0	0.10		24.2		24.2	14.2	10.0	
JURASSIC F	438.0	0.02		8.8		8.8	3.6	5.2	
JURASSIC G	95.7	0.10		9.6		9.6	1.8	7.8	
JURASSIC H	296.0	<0.01		0.2		0.2	0.2		
JURASSIC J	408.0	0.10		40.8		40.8	9.3	31.5	
JURASSIC K	300.0	0.10		30.0		30.0	17.9	12.1	
JURASSIC L	76.8	<0.01		0.1		0.1	0.1		
JURASSIC M	209.0	<0.01		0.9		0.9	0.9		
JURASSIC N	556.0	0.05		27.8		27.8	11.6	16.2	
JURASSIC O	180.0	0.10		18.0		18.0	0.4	17.6	
JURASSIC Q	396.0	0.03		11.9		11.9	7.6	4.3	
JURASSIC R	949.0	0.10		94.9		94.9	46.9	48.0	
JURASSIC S	213.0	0.10		21.3		21.3	1.8	19.5	
JURASSIC T	185.0	0.10		18.5		18.5	7.2	11.3	
JURASSIC U	94.7	<0.01		0.1		0.1	0.1		
JURASSIC V	167.0	0.10		16.7		16.7	10.8	5.9	
JURASSIC Y	89.9	0.02		1.8		1.8	1.1	0.7	
JURASSIC Z	330.0	0.10		33.0		33.0	4.1	28.9	
JURASSIC CC	423.0	0.03		12.7		12.7	9.8	2.9	
JURASSIC FF	401.0	0.15		60.2		60.2	23.3	36.9	
JURASSIC KK	289.0	0.15		43.4		43.4	3.0	40.4	
JURASSIC NN	161.0	0.15		24.2		24.2	2.9	21.3	
JURASSIC PP	84.9	0.10		8.5		8.5	2.3	6.2	
JURASSIC QQ	23.3	0.10		2.3		2.3	1.1	1.2	
JURASSIC RR	89.4	0.10		8.9		8.9	0.8	8.1	
PEKISKO A	118.0	<0.12		13.8		13.8	13.8		
PEKISKO B	98.6	<0.02		1.6		1.6	1.6		
BANFF A	176.0	<0.01		0.4		0.4	0.4		
BANFF B	131.0	<0.01		0.1		0.1	0.1		
BANFF C	104.0	<0.01		0.1		0.1	0.1		
BANFF H	98.3	<0.01		0.1		0.1	0.1		
BANFF K	108.0	0.10		10.8		10.8	4.7	6.1	
BLUERIDGE A	575.0	<0.09		50.3		50.3	50.3		
BLUERIDGE B	364.0	<0.01		1.3		1.3	1.3		
BLUERIDGE C	199.0	<0.02		2.8		2.8	2.8		
BLUERIDGE D	410.0	0.15		61.5		61.5	33.8	27.7	
NISKU A	3 000.0	0.40	0.35	1 200.0	1 050.0	2 250.0	2 082.1	167.9	
SOLVENT FLOOD									
NISKU B WATER FLOOD	121.0	0.30	0.20	36.3	24.2	60.5	32.5	28.0	
NISKU C WATER FLOOD	2 200.0	0.30	0.20	660.0	440.0	1 100.0	833.3	266.7	
NISKU D	4 800.0	0.40	0.32	1 920.0	1 540.0	3 460.0	3 204.1	255.9	
SOLVENT FLOOD									
NISKU E WATER FLOOD	700.0	0.20	0.20	140.0	140.0	280.0	248.1	31.9	
NISKU F	2 100.0	0.35	0.26	735.0	565.0	1 300.0	670.2	629.8	
SOLVENT FLOOD									
NISKU G	2 652.0	0.40	0.37	1 060.0	980.0	2 040.0	1 924.3	115.7	
SOLVENT FLOOD									
NISKU H WATER FLOOD	450.0	0.30	0.22	135.0	99.0	234.0	133.9	100.1	
NISKU I WATER FLOOD	750.0	0.20	0.30	150.0	225.0	375.0	264.3	110.7	
NISKU J WATER FLOOD	1 200.0	0.35	0.12	420.0	144.0	564.0	411.1	152.9	
NISKU K	2 600.0	0.40	0.40	1 040.0	1 040.0	2 080.0	1 943.4	136.6	
SOLVENT FLOOD									
NISKU L	5 000.0	0.25	0.57	1 250.0	2 850.0	4 100.0	3 314.4	785.6	
SOLVENT FLOOD									
NISKU M	2 850.0	0.40	0.35	1 140.0	998.0	2 138.0	1 882.8	255.2	
SOLVENT FLOOD									
NISKU N WATER FLOOD	1 600.0	0.35	0.10	560.0	160.0	720.0	593.8	126.2	
NISKU O	1 700.0	0.40	0.33	680.0	560.0	1 240.0	1 149.7	90.3	
SOLVENT FLOOD									

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
64	6.10	0.129	0.34	0.74	110	870	55	16 052	-917.3	1 688.1	1987	88 01 - ABAND 88 05
16	1.40	0.130	0.24	0.81	75	895	64	17 678	-852.0	1 766.9	1988	92 10
64	7.60	0.120	0.34	0.74	116	864	67	17 206	-1 215.4	2 136.2	1990	91 03
43	0.84	0.150	0.23	0.74	116	864	67	15 786	-942.9	1 772.6	1976	92 12
32	1.32	0.150	0.12	0.74	98	857	67	13 537	-942.7	1 782.9	1957	93 05
32	4.00	0.130	0.27	0.75	120	900	52	21 000	-759.2	1 558.0	1980	93 06
64	6.13	0.120	0.30	0.69	155	850	50	14 994	-1 263.9	2 130.5	1981	83 03
1 510	4.90	0.140	0.39	0.74	99	870	60	15 761	-943.3	1 707.7	1982	88 01 - GPP
64	17.50	0.110	0.30	0.80	91	870	37	19 521	-1 339.0	2 298.8	1979	93 12 - GPP
64	5.20	0.130	0.30	0.80	80	848	78	19 663	-1 356.9	2 277.1	1980	82 11 - GPP
128	6.09	0.090	0.22	0.80	176	830	79	19 015	-1 413.6	2 383.6	1982	86 12
64	4.00	0.085	0.45	0.80	83	896	70	13 339	-1 193.2	2 082.0	1982	83 11
64	7.40	0.120	0.35	0.80	90	895	51	11 142	-964.6	1 753.2	1978	92 10
303	2.49	0.130	0.48	0.80	92	865	50	15 701	-932.7	1 736.7	1983	89 11
64	5.25	0.162	0.31	0.80	176	826	79	20 095	-1 299.4	2 263.3	1985	85 11
64	2.00	0.150	0.50	0.80	80	860	60	16 659	-1 145.2	1 958.5	1984	85 01 - ABAND 92 12
64	4.50	0.145	0.41	0.85	92	895	55	15 997	-980.5	1 770.8	1985	86 05 - ABAND 87 09
315	2.83	0.130	0.40	0.80	90	885	44	15 795	-997.0	1 795.1	1986	92 08
64	7.50	0.086	0.34	0.66	176	828	79	20 169	-1 330.8	2 273.3	1985	86 07 - GPP
128	7.00	0.100	0.33	0.66	176	828	79	18 190	-1 318.8	2 288.5	1985	93 11 - GPP
326	3.37	0.180	0.40	0.80	90	871	60	15 823	-1 004.3	1 794.5	1986	88 03 - GPP
64	6.72	0.087	0.29	0.80	176	828	79	22 126	-1 335.9	2 264.0	1987	87 08
64	2.70	0.180	0.15	0.70	140	810	79	17 448	-1 476.3	2 490.4	1978	80 11 - GPP
64	2.30	0.130	0.25	0.66	176	828	79	17 461	-1 477.8	2 454.7	1986	88 09 - ABAND 89 07
64	5.50	0.120	0.40	0.66	176	828	79	17 305	-1 458.4	2 512.8	1981	88 11
16	6.00	0.180	0.35	0.80	77	895	63	16 775	-1 053.3	1 920.3	1989	92 12
64	9.30	0.100	0.25	0.74	120	829	78	16 819	-1 295.2	2 219.8	1989	89 12
64	14.00	0.090	0.30	0.75	99	832	46	18 056	-1 370.4	2 319.5	1980	84 12 - GPP
128	4.14	0.140	0.27	0.74	120	829	78	16 898	-1 291.9	2 252.2	1990	91 10 - GPP
64	6.80	0.130	0.31	0.74	120	739	78	18 662	-1 376.2	2 349.1	1991	91 10
64	5.67	0.080	0.29	0.78	92	853	77	17 962	-1 358.5	2 311.5	1991	92 02
32	6.40	0.080	0.30	0.74	120	829	78	17 584	-1 376.9	2 338.0	1991	93 01
64	1.02	0.090	0.40	0.66	176	828	79	20 726	-1 457.5	2 476.3	1988	93 06
64	3.22	0.090	0.27	0.66	176	828	79	19 245	-1 469.8	2 455.8	1988	93 06
65	1.83	0.150	0.20	0.83	53	910	88	19 404	-1 054.9	1 868.4	1960	64 04 - GPP
32	6.10	0.094	0.36	0.84	61	915	65	14 575	-1 084.6	1 910.4	1986	87 05 - ABAND 89 12
16	10.00	0.200	0.32	0.81	75	880	60	17 100	-837.4	1 641.0	1981	92 11 - ABAND 83 01
16	9.00	0.150	0.25	0.81	88	866	32	18 781	-817.6	1 585.4	1983	92 11 - ABAND 83 10
64	3.06	0.113	0.42	0.81	84	866	56	17 464	-868.3	1 689.8	1984	85 07 - ABAND 89 08
64	2.00	0.120	0.21	0.81	88	866	56	18 403	-1 055.1	1 932.0	1979	90 07 - ABAND 90 07
16	10.20	0.150	0.47	0.83	85	883	56	17 009	-826.4	1 734.7	1989	92 09
128	15.10	0.065	0.25	0.61	138	816	83	25 712	-1 689.5	2 603.0	1977	91 10 - ABAND 90 05
64	22.10	0.050	0.22	0.66	162	811	83	17 434	-1 839.8	2 796.0	1979	81 01 - ABAND 83 11
64	11.80	0.050	0.20	0.66	162	790	83	18 468	-1 778.3	2 712.5	1979	84 12 - ABAND 85 08
64	30.20	0.059	0.41	0.61	210	829	84	22 734	-1 682.1	2 587.3	1981	82 04 - GPP
105	68.69	0.080	0.20	0.65	185	806	100	34 000	-2 035.2	3 007.9	1977	88 04 - GPP
34	10.67	0.090	0.26	0.50	318	780	99	30 269	-1 953.3	2 911.3	1977	93 12 - GPP
145	18.90	0.130	0.13	0.71	145	825	84	26 305	-1 727.4	2 640.9	1977	89 12 - GPP
143	38.85	0.120	0.10	0.80	140	841	82	25 834	-1 700.9	2 579.5	1978	86 06 - GPP
77	40.00	0.040	0.20	0.71	121	834	84	28 318	-1 762.3	2 716.0	1977	91 12 - GPP
170	16.66	0.119	0.18	0.76	89	852	83	26 729	-1 676.5	2 550.4	1978	88 04 - GPP
198	32.20	0.080	0.20	0.65	123	810	96	28 104	-1 958.0	2 906.6	1978	89 02 - GPP
76	10.12	0.095	0.12	0.70	148	833	89	27 211	-1 826.9	2 759.8	1978	84 01 - GPP
53	54.45	0.047	0.21	0.70	115	811	94	23 033	-1 617.2	2 578.0	1978	92 12 - GPP
69	52.40	0.066	0.25	0.67	142	809	90	27 863	-1 859.6	2 790.6	1978	80 09 - GPP
51	73.06	0.127	0.18	0.67	147	808	92	29 119	-1 933.6	2 889.9	1978	87 04 - GPP
253	30.12	0.105	0.12	0.71	124	821	93	28 739	-1 931.1	2 882.0	1978	85 09 - GPP
80	65.21	0.087	0.09	0.69	140	820	92	28 560	-1 902.4	2 842.7	1978	83 07 - GPP
85	29.13	0.110	0.11	0.66	164	809	88	27 454	-1 837.3	2 774.5	1979	85 12 - GPP
140	18.85	0.118	0.16	0.65	148	809	88	30 961	-1 886.3	2 842.1	1979	87 12 - GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
PEMBINA 048-07W5 (CONTINUED)								
NISKU P SOLVENT FLOOD	4 250.0	0.40	0.38	1 700.0	1 615.0	3 315.0	2 964.7	350.3
NISKU Q SOLVENT FLOOD	2 800.0	0.40	0.44	1 120.0	1 230.0	2 350.0	1 573.3	776.7
NISKU R WATER FLOOD	450.0	0.30	0.25	135.0	113.0	248.0	205.2	42.8
NISKU S WATER FLOOD	830.0	0.40	0.20	332.0	166.0	498.0	375.6	122.4
NISKU T WATER FLOOD	800.0	0.25	0.20	200.0	160.0	360.0	54.3	305.7
NISKU U	72.5	0.10		7.3		7.3	3.7	3.6
NISKU V	41.8	<0.06		2.3		2.3	2.3	
NISKU W	81.5	0.10		8.2		8.2	1.9	6.3
NISKU X	90.8	0.20		18.2		18.2	3.3	14.9
FIELD TOTAL	1 317 808.4			145 153.7	134 390.2	279 539.2	221 662.3	57 876.9
PENDANT D'OREILLE 003-08W4								
MANVILLE F	170.0	<0.01		0.2		0.2	0.2	
FIELD TOTAL *	170.0			0.2		0.2	0.2	
PENHOLD 036-27W4								
VIKING A	125.0	<0.03		3.7		3.7	3.7	
VIKING B	680.0	0.15		102.0		102.0	81.0	21.0
VIKING C	40.4	<0.01		0.1		0.1	0.1	
VIKING D	83.9	<0.01		0.4		0.4	0.4	
VIKING E	709.0	0.05		35.5		35.5	11.7	23.8
VIKING G	38.1	0.20		7.6		7.6	4.3	3.3
UPPER MANVILLE A	66.7	0.10		6.7		6.7	3.3	3.4
LOWER MANVILLE A	1 490.0	0.06		89.4		89.4	57.4	32.0
LOWER MANVILLE D	206.0	0.10		20.6		20.6	2.9	17.7
LOWER MANVILLE F	76.9	0.13		10.0		10.0	7.7	2.3
LOWER MANVILLE K	199.0	0.10		19.9		19.9	4.2	15.7
LOWER MANVILLE E & H	296.0	0.10		29.6		29.6	10.6	19.0
D-2 A	408.0	<0.03		10.1		10.1	10.1	
D-2 B	81.3	0.10		8.1		8.1	8.1	
D-3 A	183.0	<0.02		3.4		3.4	3.4	
FIELD TOTAL	4 683.3			347.1		347.1	208.9	138.2
PEORIA 076-01W6								
D-1 A	519.0	0.02		10.4		10.4	4.3	6.1
D-1 B	106.0	0.10		10.6		10.6	1.2	9.4
D-1 C	128.0	0.15		19.2		19.2	4.8	14.4
FIELD TOTAL	753.0			40.2		40.2	10.3	29.9
PINCHER CREEK 005-30W4								
LOWER MANVILLE A	377.0	<0.01		0.2		0.2	0.2	
FIELD TOTAL	377.0			0.2		0.2	0.2	
PINE CREEK 057-19W5								
BELLY RIVER A	87.0	<0.01		0.6		0.6	0.6	
BELLY RIVER B	212.0	0.10		21.2		21.2	1.3	19.9
CARDIUM L	64.6	0.15		9.7		9.7	6.3	3.4
CARDIUM N	151.0	0.10		15.1		15.1	6.8	8.3
CARDIUM O	157.0	0.10		15.7		15.7	2.0	13.7
CARDIUM Q	29.3	0.10		2.9		2.9	1.2	1.7
CARDIUM T	30.1	<0.01		0.2		0.2	0.2	
CARDIUM U	131.0	0.10		13.1		13.1	2.6	10.5
CARDIUM V	25.0	0.20		5.0		5.0	3.6	1.4
CARDIUM H & I	6 100.0	0.07		427.0		427.0	365.3	61.7
CARDIUM J & K	22.8	0.15		3.4		3.4	2.2	1.2
CARDIUM P & S	389.0	0.10		38.9		38.9	29.1	9.8
SECOND WHITE SPECKS A	2 860.0	0.10		286.0		286.0	271.5	14.5
SECOND WHITE SPECKS C	192.0	0.05		9.6		9.6	4.8	4.8

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
170	42.34	0.103	0.09	0.63	186	800	93	29 087	-1 969.4	2 905.6	1979	87 05 - GPP
122	33.86	0.098	0.09	0.76	150	819	91	28 805	-1 934.2	2 880.5	1980	85 05 - GPP
64	12.23	0.095	0.11	0.68	148	827	89	27 392	-1 826.0	2 762.4	1980	92 12 - GPP
42	35.00	0.096	0.16	0.70	127	831	84	26 640	-1 726.8	2 632.0	1981	92 12 - GPP
90	21.80	0.060	0.15	0.80	121	834	84	26 676	-1 726.0	2 662.4	1988	93 11 - GPP
16	16.50	0.050	0.18	0.67	166	807	88	21 924	-1 804.1	2 704.5	1989	91 12 - GPP
64	2.60	0.050	0.25	0.67	166	807	88	23 384	-1 795.4	2 685.6	1988	92 10
32	7.70	0.070	0.25	0.63	172	808	96	23 330	-1 796.2	2 676.0	1988	92 08
64	5.70	0.050	0.21	0.63	172	808	96	26 950	-1 913.7	2 851.0	1991	92 02
65	2.44	0.200	0.35	0.83	80	855	38	8 370	22.0	910.8	1969	70 09 - ABAND 70 06
64	3.13	0.110	0.30	0.81	78	849	51	8 721	-796.8	1 680.4	1976	79 09 - GPP
1 078	1.25	0.100	0.36	0.79	65	850	55	9 234	-782.0	1 699.3	1981	87 03
64	1.50	0.130	0.60	0.81	66	812	68	9 800	-730.0	1 686.3	1983	84 09 - ABAND 84 10
64	1.30	0.180	0.30	0.80	76	820	66	10 658	-721.6	1 678.4	1982	84 12 - ABAND 85 10
256	5.02	0.100	0.31	0.80	76	837	60	10 310	-800.7	1 710.7	1981	88 05 - GPP
64	1.50	0.070	0.30	0.81	60	831	64	10 340	-806.4	1 714.5	1986	89 12 - GPP
64	1.50	0.110	0.19	0.78	91	879	70	14 047	-964.9	1 860.1	1988	88 08 - GPP
231	7.40	0.130	0.14	0.78	91	877	69	14 836	-985.8	1 884.4	1960	79 08 - GPP
64	4.00	0.120	0.14	0.78	91	830	69	16 170	-1 013.3	1 987.8	1986	86 11
64	2.30	0.100	0.33	0.78	91	830	69	13 482	-1 058.6	2 035.4	1986	93 12 - GPP
64	3.20	0.160	0.22	0.78	91	879	69	13 688	-903.6	1 833.5	1991	91 12
192	2.08	0.130	0.27	0.78	91	847	69	12 999	-1 005.4	1 992.7	1985	88 03 - GPP
192	6.40	0.060	0.21	0.70	160	805	82	21 051	-1 348.4	2 302.1	1961	83 07 - ABAND 84 01
32	9.04	0.055	0.28	0.71	154	806	83	21 193	-1 371.0	2 303.0	1985	91 10 - ABAND 90 03
65	5.18	0.109	0.17	0.60	217	825	77	20 498	-1 366.3	2 312.4	1968	75 12
16	108.30	0.050	0.19	0.74	114	875	62	24 447	-1 720.5	2 350.2	1989	92 12 - GPP
16	20.50	0.050	0.22	0.83	62	849	61	21 702	-1 678.3	2 311.2	1989	91 12 - GPP
16	36.90	0.040	0.27	0.74	114	874	62	23 432	-1 654.1	2 298.5	1984	91 12
64	11.80	0.120	0.46	0.77	95	845	65	16 071	-1 469.9	2 914.3	1983	91 12 - ABAND 91 02
64	1.80	0.130	0.30	0.83	68	837	55	7 917	-257.0	1 483.5	1957	92 10
64	5.00	0.160	0.50	0.83	64	812	50	11 720	-425.3	1 476.3	1986	88 01
64	2.20	0.087	0.15	0.62	190	821	60	19 862	-827.3	1 801.7	1980	93 12 - GPP
64	3.20	0.150	0.30	0.70	135	820	65	20 075	-821.8	1 785.5	1981	82 02 - GPP
64	4.20	0.120	0.36	0.76	185	793	86	21 820	-906.0	1 956.5	1985	85 08
64	1.90	0.053	0.35	0.70	167	802	73	19 950	-895.6	2 200.2	1986	88 02
64	0.80	0.120	0.30	0.70	180	795	71	19 970	-745.6	1 935.4	1984	92 03 - ABAND 91 05
64	2.20	0.180	0.25	0.69	148	822	64		-818.1	1 755.5	1990	90 12
121	0.46	0.100	0.30	0.64	185	793	86	21 627	-862.6	1 875.5	1988	89 12
4 160	2.24	0.110	0.15	0.70	167	805	68	21 842	-878.7	1 969.6	1974	91 12 - GPP
64	1.20	0.050	0.15	0.70	150	824	64	22 801	-945.1	2 045.1	1980	93 12 - GPP
960	1.37	0.070	0.34	0.64	185	793	86	22 156	-880.9	2 133.0	1981	89 03 - GPP
1 066	10.00	0.042	0.10	0.71	127	815	77	27 252	-1 047.7	2 275.0	1973	79 01
32	6.50	0.200	0.35	0.71	140	833	63	24 122	-913.5	1 878.5	1981	91 02 - GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
PINE CREEK 057-19W5 (CONTINUED)								
SECOND WHITE SPECKS D	258.0	0.15		38.7		38.7	30.5	8.2
SECOND WHITE SPECKS E	339.0	0.10		33.9		33.9	25.6	8.3
D-3 C	113.0	<0.28		31.5		31.5	31.5	
FIELD TOTAL	11 160.8			952.5		952.5	785.1	167.4
PINE NORTHWEST 058-20W5								
SECOND WHITE SPECKS A	894.0	0.02		17.9		17.9	8.6	9.3
FIELD TOTAL	894.0			17.9		17.9	8.6	9.3
PINEDALE 054-16W4								
VIKING A	70.5	<0.01		0.1		0.1	0.1	
FIELD TOTAL	70.5			0.1		0.1	0.1	
POUCE COUPE 080-12W6								
CHARLIE LAKE A	114.0	<0.01		0.3		0.3	0.3	
BOUNDARY A	132.0	<0.01		0.1		0.1	0.1	
HALFWAY A	153.0	<0.01		0.1		0.1	0.1	
HALFWAY B	124.0	<0.01		0.2		0.2	0.2	
HALFWAY C	1 072.0	0.07		75.0		75.0	45.3	29.7
HALFWAY D & DOIG A	357.0	0.06		21.4		21.4	9.2	12.2
FIELD TOTAL	1 952.0			97.1		97.1	55.2	41.9
POUCE COUPE SOUTH 078-12W6								
CHARLIE LAKE D	71.9	0.10		7.2		7.2	3.1	4.1
BOUNDARY B TOTAL	9 078.0			1 016.0	740.0	1 756.0	788.7	967.3
PRIMARY AREA	2 343.0	0.11		258.0		258.0		
WATER FLOOD AREA	6 735.0	<0.12	0.11	758.0	740.0	1 498.0		
BOUNDARY C	133.0	0.12		16.0		16.0	13.5	2.5
BOUNDARY D	67.8	<0.03		1.5		1.5	1.5	
BOUNDARY E	113.0	0.10		11.3		11.3	7.0	4.3
BOUNDARY F	125.0	0.10		12.5		12.5	5.7	6.8
BOUNDARY H	204.0	0.20		40.8		40.8	34.6	6.2
BOUNDARY I	246.0	0.10		24.6		24.6	14.0	10.6
BOUNDARY J	123.0	0.10		12.3		12.3	0.4	11.9
BOUNDARY K	606.0	0.15		90.9		90.9	37.9	53.0
BDY A & CH LK B	2 950.0			295.0	170.0	465.0	224.9	240.1
TOTAL								
PRIMARY AREA	1 952.0	0.10		195.0		195.0		
WATER FLOOD AREA	998.0	0.10	0.17	99.8	170.0	270.0		
HALFWAY C	452.0	0.15		67.8		67.8	15.2	52.6
DOIG C	219.0	0.10		21.9		21.9	5.4	16.5
FIELD TOTAL	14 388.7			1 617.8	910.0	2 527.8	1 151.9	1 375.9
PREVO 039-01W5								
VIKING A	180.0	0.20		36.0		36.0	33.0	3.0
VIKING B	64.5	0.20		12.9		12.9	9.9	3.0
VIKING D	56.8	0.25		14.2		14.2	12.3	1.9
VIKING E	24.4	0.15		3.7		3.7	3.4	
VIKING G	64.6	<0.07		4.2		4.2	4.2	0.3
UPPER MANNVILLE B	1 200.0	0.15		180.0		180.0	85.6	94.4
UPPER MANNVILLE E	810.0	0.10		81.0		81.0	44.4	36.6
UPPER MANNVILLE H	270.0	0.02		5.4		5.4	1.1	4.3
UPPER MANNVILLE I	260.0	0.02		5.2		5.2	1.1	4.1
LOWER MANNVILLE D	37.7	0.10		3.8		3.8	3.5	0.3
LOWER MANNVILLE E	154.0	0.10		15.4		15.4	2.6	12.8
PEKISKO A	170.0	0.10		17.0		17.0	8.0	9.0
FIELD TOTAL	3 292.0			378.8		378.8	209.1	169.7
PROGRESS 077-09W6								
DOE CREEK A TOTAL	7 200.0			344.0	128.0	472.0	222.2	249.8

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
64	15.00	0.042	0.10	0.71	123	839	79	27 375	-1 063.5	2 051.7	1987	88 02 - GPP
64	20.00	0.042	0.10	0.70	127	817	77	16 435	-1 029.3	2 010.5	1988	90 11 - GPP
64	5.23	0.063	0.15	0.63	204	801	107	32 106	-2 327.6	3 304.2	1959	76 05 - ABAND 79 08
128	15.40	0.070	0.19	0.80	78	806	68	20 723	-909.8	1 868.6	1975	88 11 - GPP
64	1.20	0.170	0.40	0.90	38	856	33	4 836	38.7	645.4	1982	83 07
64	3.10	0.150	0.49	0.75	95	826	70	13 068	-939.0	1 596.6	1984	85 03
64	4.00	0.080	0.14	0.75	100	855	60	10 999	-894.2	1 597.8	1982	85 11 - ABAND 90 02
65	3.54	0.098	0.15	0.80	85	855	70	16 293	-1 025.1	1 688.6	1975	78 09
64	4.80	0.101	0.50	0.80	74	840	55	16 742	-1 018.7	1 688.0	1980	82 06
583	3.33	0.100	0.31	0.80	74	840	56	15 807	-992.7	1 640.2	1983	91 05 - GPP
32	16.46	0.110	0.21	0.78	75	847	60	14 453	-960.1	1 603.7	1985	91 07 - GPP
64	1.50	0.120	0.19	0.77	100	829	73	18 831	-1 189.8	2 070.3	1988	93 12 - GPP
3 648					128	826	75	16 746	-1 035.6	1 839.4	1980	91 11
1 127	2.57	0.130	0.17	0.75								
2 521	3.15	0.130	0.13	0.75								
64	1.80	0.170	0.14	0.79	76	834	70	16 725	-1 067.9	1 832.6	1973	93 12 - GPP
64	1.30	0.120	0.14	0.79	76	834	70	16 791	-1 042.5	1 819.4	1973	89 12
64	3.40	0.090	0.27	0.79	82	834	60	16 465	-992.3	1 776.1	1981	83 01 - GPP
64	2.70	0.110	0.18	0.80	70	847	70	16 661	-996.5	1 795.9	1984	84 11 - GPP
128	2.15	0.130	0.16	0.68	110	813	75	15 175	-980.7	1 795.0	1982	87 12 - GPP
64	4.00	0.120	0.13	0.92	16	856	67	14 625	-978.9	1 843.2	1983	84 01 - GPP
64	1.87	0.170	0.16	0.72	128	816	75	17 025	-1 061.1	1 839.0	1988	91 12
331	1.76	0.200	0.35	0.80	110	834	75	17 597	-1 104.1	1 987.2	1984	91 05
1 110					93	834	70	16 627	-1 020.6	1 794.2	1970	85 12
720	3.53	0.120	0.19	0.79								- GPP
390	2.77	0.136	0.14	0.79								
64	13.93	0.094	0.30	0.77	117	818	68	17 789	-1 162.6	1 955.6	1988	89 09
64	4.50	0.130	0.22	0.75	100	866	59	20 195	-1 206.7	2 000.5	1985	86 05
465	0.69	0.090	0.25	0.83	58	827	58	9 757	-794.3	1 702.1	1984	90 12 - GPP
128	1.35	0.060	0.25	0.83	58	827	58	9 636	-821.2	1 814.9	1984	87 11 - GPP
64	1.50	0.095	0.25	0.83	58	814	58	8 949	-784.5	1 730.6	1986	87 10 - GPP
64	0.80	0.080	0.30	0.85	58	831	59	9 898	-777.2	1 671.5	1985	88 12
128	1.35	0.060	0.25	0.83	58	827	58	9 530	-806.9	1 805.5	1984	87 11 - ABAND 91 10
168	8.80	0.130	0.21	0.79	90	897	65	15 833	-947.0	1 839.1	1985	89 11
121	8.19	0.150	0.31	0.79	90	886	66	15 791	-964.9	1 903.9	1990	92 08 - GPP
64	9.52	0.110	0.49	0.79	90	886	66	14 052	-965.6	1 952.6	1991	92 08 - GPP
64	7.19	0.110	0.35	0.79	90	886	66	15 880	-963.9	1 920.1	1991	92 08 - GPP
64	1.10	0.100	0.37	0.85	57	887	50	15 655	-948.2	1 832.9	1987	88 06 - GPP
64	4.00	0.110	0.31	0.79	88	891	70	15 828	-1 004.8	1 925.6	1988	89 01 - GPP
64	3.20	0.125	0.20	0.83	65	931	73	11 162	-1 063.8	2 028.3	1973	86 11 - GPP
2 230					12	836	25	1 735	410.0	316.6	1985	93 04

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
PROGRESS 077-09W6 (CONTINUED)								
PRIMARY AREA	4 000.0	0.03		120.0		120.0		
WATER FLOOD AREA	3 200.0	0.07	0.04	224.0	128.0	352.0		
CHARLIE LAKE A	87.7	<0.01		0.1		0.1	0.1	
CHARLIE LAKE B	14.5	0.10		1.5		1.5	0.6	0.9
CHARLIE LAKE C	164.0	0.05		8.2		8.2	1.7	6.5
CHARLIE LAKE E	122.0	<0.01		0.3		0.3	0.3	
CHARLIE LAKE F	92.9	<0.02		1.4		1.4	1.4	
CHARLIE LAKE G	1 250.0	0.10		125.0		125.0	43.1	81.9
CHARLIE LAKE I	196.0	0.10		19.6		19.6	9.2	10.4
CHARLIE LAKE J	138.0	<0.02		1.6		1.6	1.6	
CHARLIE LAKE K	176.0	0.10		17.6		17.6	5.0	12.6
CHARLIE LAKE L	269.0	<0.01		0.5		0.5	0.5	
CHARLIE LAKE M	111.0	0.10		11.1		11.1	2.9	8.2
BOUNDARY A	19.4	0.03		0.6		0.6	0.6	
BOUNDARY B	568.0	0.25		142.0		142.0	37.8	104.2
BOUNDARY C	272.0	0.20		54.4		54.4	14.5	39.9
HALFWAY B	6 311.0	0.10		631.0		631.0	336.1	294.9
HALFWAY C	405.0	0.10		40.5		40.5	0.6	39.9
HALFWAY E	350.0	0.15		52.5		52.5	47.9	4.6
HALFWAY H	71.5	0.15		10.7		10.7	0.4	10.3
HALFWAY I	74.7	0.15		11.2		11.2	4.7	6.5
HALFWAY J	500.0	0.20	0.16	100.0	80.0	180.0	51.5	128.5
WATER FLOOD								
HALFWAY K	320.0	0.10		32.0		32.0	0.1	31.9
HALFWAY M	182.0	0.04		7.3		7.3	4.3	3.0
HALFWAY O	1 600.0	0.20	0.16	320.0	256.0	576.0	116.3	459.7
WATER FLOOD								
HALFWAY P	1 702.0	0.15	0.20	255.0	340.0	595.0	249.4	345.6
WATER FLOOD								
HALFWAY R	92.3	0.20		18.5		18.5	15.0	3.5
HALFWAY T	89.6	0.10		9.0		9.0	3.5	5.5
HALFWAY X	267.0	0.15		40.1		40.1	22.9	17.2
DOIG A	397.0	0.05		19.9		19.9	12.1	7.8
FIELD TOTAL	23 042.6			2 275.6	804.0	3 079.6	1 206.3	1 873.3
PROVOST 036-07W4								
VIKING V	170.0	0.15		25.5		25.5	23.4	2.1
VIKING GG	106.0	<0.01		0.2		0.2	0.2	
VIKING RR	61.7	0.10		6.2		6.2	4.0	2.2
VIKING UU	13.9	<0.01		0.1		0.1	0.1	
VIKING & MANNVILLE	93 000.0			5 284.0	5 461.0	10 750.0	8 733.0	2 017.0
MU #1 TOTAL								
PRIMARY AREA	39 100.0	0.08		3 128.0		3 128.0		
WATER FLOOD AREA	53 900.0	0.04	0.10	2 156.0	5 461.0	7 617.0		
VIKING GGG	55.4	<0.01		0.1		0.1	0.1	
VIKING PPP	877.0	0.02		17.5		17.5	7.1	10.4
BLAIRMORE	2 630.0	0.30		789.0		789.0	481.0	308.0
BLAIRMORE B	4 627.0	0.35		1 619.0		1 619.0	1 283.8	335.2
MANNVILLE H	535.0	0.05		26.8		26.8	20.9	5.9
MANNVILLE L	4 291.0	0.30		1 287.0		1 287.0	434.7	852.3
MANNVILLE T	190.0	0.02		3.8		3.8	2.5	1.3
MANNVILLE CC	51.0	<0.01		0.1		0.1	0.1	
MANNVILLE S & UPPER MANNVILLE F	187.0	0.15		28.1		28.1	16.5	11.6
UPPER MANNVILLE ODD & ELLERSLIE S	4 871.0	0.10		487.0		487.0	306.5	180.5
UPPER MANNVILLE C4C	438.0	0.20		87.6		87.6	35.4	52.2
UPPER MANNVILLE X4X	802.0	0.30		241.0		241.0	82.8	158.2
REX A	541.0	0.05		27.1		27.1	13.1	14.0
LLOYDMINSTER D	1 783.0	0.10		178.0		178.0	70.8	107.2
LLOYDMINSTER KK	1 724.0	0.30		517.0		517.0	280.7	236.3
LLOYDMINSTER XX	233.0	0.10		23.3		23.3	7.5	15.8
LLOYDMINSTER ZZ	1 221.0	0.30		366.0		366.0	171.5	194.5
GLAUCONITIC A	6 465.0	0.35		2 263.0		2 263.0	987.3	1 275.7
GLAUCONITIC B	26.2	0.30		7.9		7.9	4.6	3.3
CUMMINGS A	2 530.0	0.30		759.0		759.0	490.0	269.0
CUMMINGS E	223.0	0.10		22.3		22.3	0.9	21.4
CUMMINGS F	264.0	0.13		34.3		34.3	25.1	9.2
CUMMINGS PP	600.0	0.25		150.0		150.0	119.6	30.4
CUMMINGS RRR	92.4	0.20		18.5		18.5	7.1	11.4

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
1 475	1.66	0.230	0.26	0.96								- GPP
755	2.07	0.260	0.18	0.96								
64	2.40	0.100	0.32	0.84	67	813	62	13 365	-902.7	1 681.2	1982	83 08 - GPP
64	0.70	0.070	0.40	0.77	80	850	60	13 028	-903.1	1 667.1	1983	85 08 - GPP
210	1.60	0.113	0.44	0.77	80	850	60	12 981	-897.3	1 663.8	1983	90 11 - GPP
64	3.70	0.100	0.33	0.77	64	835	54	13 484	-882.7	1 639.9	1983	89 12 - ABAND 91 01
64	4.10	0.100	0.54	0.77	64	849	67	13 556	-890.3	1 649.1	1982	91 10 - ABAND 90 07
320	4.23	0.150	0.20	0.77	80	836	60	14 267	-889.4	1 654.0	1982	85 09
64	3.20	0.160	0.18	0.73	118	825	55	12 573	-903.9	1 681.4	1982	86 02 - GPP
64	3.00	0.120	0.20	0.75	123	827	60	14 538	-965.9	1 805.5	1985	92 10
65	2.80	0.170	0.14	0.66	150	813	62	18 726	-957.2	1 827.4	1985	87 12 - GPP
64	3.50	0.180	0.11	0.75	96	825	54	14 146	-874.5	1 648.3	1985	87 12 - ABAND 92 09
32	3.40	0.160	0.15	0.75	123	828	69	14 866	-880.6	1 657.0	1990	91 10
64	0.60	0.080	0.21	0.80	68	840	72	15 682	-904.8	1 826.0	1984	91 10 - ABAND 88 01
467	1.32	0.140	0.11	0.74	112	816	74	16 847	-936.9	1 810.0	1991	93 02
332	0.85	0.150	0.12	0.73	123	814	71	16 698	-905.5	1 830.9	1992	93 03
896	13.63	0.100	0.32	0.76	112	844	70	17 672	-1 035.4	1 910.2	1976	86 11 - GPP
64	11.43	0.091	0.20	0.76	112	840	70	16 603	-1 027.6	1 906.8	1984	85 05
40	10.36	0.150	0.12	0.64	191	805	67	20 627	-1 025.5	1 840.3	1981	90 07
64	3.00	0.070	0.30	0.76	120	836	60	20 408	-972.8	1 743.6	1984	86 04 - GPP
64	1.90	0.150	0.37	0.65	185	812	60	16 587	-959.0	1 729.9	1984	86 04 - GPP
131	4.98	0.140	0.26	0.74	126	821	60	16 717	-940.8	1 721.0	1985	93 05
65	9.50	0.100	0.32	0.76	112	839	70	16 138	-1 047.8	1 918.3	1985	86 08
64	3.87	0.148	0.32	0.73	185	820	58	17 119	-980.7	1 763.5	1986	89 10 - GPP
448	4.01	0.160	0.13	0.64	191	801	67	20 709	-985.6	1 776.1	1986	92 01
768	3.12	0.139	0.30	0.73	96	825	50	16 993	-918.3	1 678.7	1987	91 03
71	2.40	0.090	0.14	0.70	129	824	41	17 319	-937.6	1 695.5	1988	92 12 - GPP
64	2.20	0.140	0.41	0.77	117	818	68	16 638	-959.0	1 751.2	1990	91 04
64	4.89	0.180	0.35	0.73	120	817	65	16 213	-940.9	1 727.6	1985	92 03
32	21.90	0.090	0.16	0.75	94	830	70	17 159	-1 055.4	1 889.4	1982	93 12 - GPP
80	1.80	0.220	0.43	0.94	24	851	32	5 880	-65.8	826.9	1976	87 12 - GPP
64	2.20	0.160	0.50	0.94	23	858	32	6 101	-105.9	842.5	1979	83 12 - GPP
64	1.20	0.190	0.55	0.94	20	868	31	5 602	-54.6	816.3	1976	83 08 - GPP
64	0.70	0.060	0.45	0.94	22	851	38	5 494	-46.3	803.5	1984	85 11 - ABAND 87 12
65 510					25	855	36	5 572	-83.3	845.3	1946	86 12 - GPP
32 048	1.56	0.260	0.68	0.94								SW=.50 + SG=.18
33 462	1.36	0.252	0.50	0.94								SW=.37 + SG=.13
64	1.22	0.130	0.40	0.91	38	857	37	6 037	-3.6	757.4	1978	78 11
192	3.70	0.214	0.38	0.93	26	851	50	5 978	-106.9	828.0	1973	85 12 - GPP
516	2.70	0.270	0.24	0.92	28	892	33	6 225	-172.8	877.7	1958	92 12 - GPP
605	3.77	0.260	0.17	0.94	27	892	33	6 421	-196.7	945.7	1958	92 05 - GPP
129	2.44	0.290	0.35	0.90	25	887	27	6 244	-69.7	819.0	1972	89 03 - GPP
600	3.76	0.260	0.23	0.95	21	900	28	6 085	-137.3	827.5	1976	92 12 - GPP
64	3.23	0.200	0.49	0.90	35	876	30	6 146	-156.7	877.9	1977	86 02 - GPP
16	2.54	0.220	0.40	0.95	18	881	30	7 306	-116.7	851.8	1979	93 01 - ABAND 84 08
23	5.13	0.260	0.35	0.94	25	910	37	5 833	-97.7	784.1	1976	93 12 - GPP
1 348	2.46	0.240	0.32	0.90	32	892	33	6 725	-197.9	965.3	1984	92 08
114	3.58	0.200	0.41	0.91	34	865	31	6 159	-156.4	900.6	1989	93 12 - GPP
86	5.40	0.240	0.25	0.96	20	890	31	5 719	-164.8	907.4	1989	92 05 - GPP
65	6.65	0.200	0.32	0.92	40	887	35	5 985	-103.9	785.7	1987	90 03 - GPP
480	2.62	0.260	0.42	0.94	20	893	30	5 645	-116.5	788.5	1983	84 12 - GPP
232	3.26	0.300	0.20	0.95	20	893	28	5 632	-114.6	789.1	1990	93 07 - GPP
32	4.00	0.290	0.31	0.91	34	865	34	6 200	-210.2	970.0	1992	93 05 - GPP
113	5.08	0.290	0.22	0.94	37	899	35	6 215	-209.3	974.9	1988	92 10 - GPP
389	7.35	0.280	0.15	0.95	16	908	34	5 578	-185.5	925.1	1991	93 10 - GPP
16	2.20	0.180	0.30	0.59	50	834	30		-240.5	966.3	1992	93 06 - GPP
784	2.64	0.210	0.40	0.97	27	876	28	6 222	-152.9	833.5	1973	92 11 - GPP
64	2.00	0.300	0.40	0.97	30	865	35	5 052	-161.0	919.0	1983	84 03 - GPP
64	2.10	0.270	0.25	0.97	27	876	33	5 561	-121.1	796.1	1983	93 12
171	2.71	0.220	0.36	0.92	31	868	28	5 890	-155.3	824.5	1988	92 08 - GPP
16	3.41	0.270	0.34	0.95	15	872	28		-130.0	796.9	1992	92 07 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
PROVOST 036-07W4 (CONTINUED)								
CUMMINGS T & DINA W	1 190.0	0.30		357.0		357.0	275.0	82.0
LOWER MANNVILLE L	72.9	0.15		10.9		10.9	8.6	2.3
LOWER MANNVILLE Z	2 209.0	0.30		663.0		663.0	352.1	310.9
DINA S	3 192.0	0.35		1 117.0		1 117.0	641.1	475.9
DINA X	1 166.0	0.30		350.0		350.0	173.8	176.2
DINA Y	2 456.0	0.25		614.0		614.0	471.4	142.6
DINA JJ	195.0	0.30		58.5		58.5	43.2	15.3
DINA NN	337.0	0.35		118.0		118.0	108.2	9.8
DINA OO	654.0	0.10		65.4		65.4	30.7	34.7
DINA SS	1 793.0	0.35		628.0		628.0	465.1	162.9
DINA DDD	35.1	0.30		10.5		10.5	4.3	6.2
DINA FFF	2 664.0	0.30		799.0		799.0	421.2	377.8
DINA PPP	2 032.0	0.35		711.0		711.0	550.8	160.2
DINA RRR	151.0	0.25		37.8		37.8	20.8	17.0
DINA UUU	279.0	0.35		97.7		97.7	77.2	20.5
DINA VVV	406.0	0.30		122.0		122.0	58.5	63.5
DINA WWW	8.2	0.05		0.4		0.4	0.4	
DINA ZZZ	83.3	0.25		20.8		20.8	9.9	10.9
DINA C2C	738.0	0.30		221.0		221.0	73.8	147.2
DINA M2M	14.7	0.20		2.9		2.9	2.1	0.8
DINA L2L & S2S	621.0	0.45		279.0		279.0	194.5	84.5
DINA U3U	1 142.0	0.30		343.0		343.0	139.8	203.2
DINA W3W	493.0	0.35		173.0		173.0	50.3	122.7
DINA Z3Z	692.0	0.40		277.0		277.0	136.8	140.2
DINA G4G	2 442.0	0.25		611.0		611.0	353.2	257.8
DINA I4I	785.0	0.45		353.0		353.0	153.3	199.7
DINA N4N WATER FLOOD	217.0	0.20	0.15	43.4	32.6	76.0	65.5	10.5
DINA W4W	1 149.0	0.25		287.0		287.0	67.6	219.4
DINA Y4Y	74.7	0.35		26.1		26.1	10.0	16.1
DINA E5E	1 733.0	0.20		347.0		347.0	116.4	230.6
DINA H5H	598.0	0.30		179.0		179.0	86.3	92.7
DINA I5I	900.0	0.45		405.0		405.0	99.3	305.7
DINA R5R	922.0	0.50		461.0		461.0	2.4	458.6
ELLERSLIE N	5 113.0	0.30		1 534.0		1 534.0	755.4	778.6
ELLERSLIE U	1 288.0	0.30		386.0		386.0	70.4	315.6
ELLERSLIE Z	834.0	0.20		167.0		167.0	41.1	125.9
DETRITAL A	193.0	0.10		19.3		19.3	8.0	11.3
D-1 A	20.7	<0.01		0.1		0.1	0.1	
D-2 A	119.0	<0.01		1.0		1.0	1.0	
FIELD TOTAL *	167 621.2			26 166.2	5 493.6	31 664.8	19 749.9	11 914.9
PUSKASKAU 074-01W6								
D-2 A	124.0	0.25		31.0		31.0	12.4	18.6
D-3 A	459.0	0.12		55.1		55.1	52.1	3.0
D-3 B	131.0	<0.01		0.4		0.4	0.4	
FIELD TOTAL	714.0			86.5		86.5	64.9	21.6
QUEENSTOWN 019-22W4								
GLAUCONITIC A	579.0	0.10		57.9		57.9	28.4	29.5
GLAUCONITIC B	1 043.0	0.15		156.0		156.0	22.3	133.7
GLAUCONITIC E	75.9	<0.03		2.1		2.1	2.1	
ELLERSLIE A	49.7	<0.01		0.1		0.1	0.1	
ELLERSLIE B	141.0	<0.07		9.8		9.8	9.8	
ELLERSLIE C	55.7	0.01		0.6		0.6	0.6	
ELLERSLIE D	757.0	0.20		151.0		151.0	17.3	133.7
ELLERSLIE E	114.0	0.15		17.1		17.1	5.1	12.0
ELLERSLIE F	184.0	0.10		18.4		18.4	4.5	13.9
ELLERSLIE G	114.0	0.10		11.4		11.4	0.6	10.8
FIELD TOTAL	3 113.3			424.4		424.4	90.8	333.6
RACOSTA 031-11W4								
VIKING A	94.3	<0.01		0.3		0.3	0.3	
UPPER MANNVILLE A	276.0	0.03		8.3		8.3	1.4	6.9
UPPER MANNVILLE B	243.0	0.10		24.3		24.3	0.2	24.1
BASAL QUARTZ A	750.0	0.10		75.0		75.0	43.1	31.9
FIELD TOTAL	1 363.3			107.9		107.9	45.0	62.9

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
200	3.53	0.270	0.35	0.96	32	893	34	5 804	-140.1	832.4	1987	93 12 - GPP
64	1.00	0.230	0.45	0.90	38	861	32	6 966	-239.4	1 030.5	1980	87 12 - GPP
188	5.50	0.270	0.14	0.92	34	903	34	6 028	-183.9	908.5	1969	91 12 - GPP
420	4.78	0.240	0.31	0.96	13	874	32	6 573	-203.8	949.2	1985	93 05 - GPP
118	6.97	0.230	0.33	0.92	31	878	34	6 743	-203.8	952.4	1987	91 12 - GPP
398	3.63	0.230	0.23	0.96	14	876	34	6 314	-204.2	986.0	1987	90 11 - GPP
40	3.40	0.230	0.35	0.96	14	868	27	5 932	-200.5	962.4	1988	93 12 - GPP
60	3.27	0.230	0.23	0.97	16	908	27	6 081	-205.6	958.9	1988	91 12 - GPP
160	3.19	0.220	0.38	0.94	23	876	27	6 239	-174.8	931.9	1988	89 08 - GPP
200	5.26	0.230	0.22	0.95	18	888	27	6 129	-189.9	944.8	1988	93 12 - GPP
8	3.75	0.250	0.48	0.90	38	890	32	6 844	-212.3	945.9	1988	93 12 - GPP
425	3.50	0.260	0.29	0.97	16	899	28	6 763	-207.7	979.6	1988	91 11 - GPP
340	3.20	0.250	0.23	0.97	20	880	28	5 772	-151.5	818.5	1988	92 12 - GPP
40	2.83	0.220	0.36	0.95	18	888	28	6 439	-190.3	929.4	1988	93 12 - GPP
54	3.32	0.240	0.28	0.90	35	879	28	6 463	-190.4	980.6	1988	92 12 - GPP
60	4.50	0.230	0.31	0.95	18	888	28	5 193	-195.2	980.5	1988	90 11 - GPP
4	2.30	0.210	0.56	0.96	14	868	28	6 544	-191.6	940.9	1988	93 12 - GPP
8	6.11	0.250	0.29	0.96	14	868	28	6 417	-191.5	962.6	1988	93 12 - GPP
50	8.45	0.250	0.28	0.97	23	871	28	4 950	-161.6	860.2	1989	90 03 - GPP
4	4.00	0.180	0.45	0.93	20	860	28	6 316	-152.8	825.4	1989	93 12 - GPP
80	4.00	0.260	0.23	0.97	30	882	28	6 024	-205.3	969.0	1989	93 12 - GPP
130	4.14	0.270	0.19	0.97	25	890	28	5 329	-141.1	837.9	1990	92 12 - GPP
157	2.32	0.240	0.38	0.91	29	880	28	6 372	-210.5	958.9	1990	93 12 - GPP
110	3.65	0.240	0.26	0.97	30	878	28	6 070	-203.4	965.1	1990	93 04 - GPP
503	2.78	0.260	0.27	0.92	20	880	28	6 210	-163.7	841.3	1973	93 09 - GPP
125	3.24	0.270	0.26	0.97	23	886	28	5 548	-148.8	815.3	1991	93 12 - GPP
61	2.19	0.240	0.28	0.94	25	879	28	5 940	-165.8	871.7	1991	93 05 - GPP
148	4.16	0.260	0.26	0.97	30	882	28	5 716	-163.4	830.3	1991	93 11 - GPP
22	2.09	0.270	0.38	0.97	20	882	28	6 028	-202.7	961.8	1991	92 04 - GPP
270	4.11	0.230	0.30	0.97	20	890	28	5 964	-200.5	944.6	1992	93 03 - GPP
128	3.06	0.240	0.33	0.95	24	879	28	6 268	-176.8	946.9	1975	93 03 - GPP
110	4.03	0.270	0.20	0.94	20	885	28	6 854	-244.0	1 022.0	1992	93 12 - GPP
145	3.96	0.230	0.28	0.97	15	888	34	6 715	-229.1	1 039.4	1989	93 12 - GPP
436	5.72	0.260	0.17	0.95	18	888	34	6 453	-261.9	990.0	1991	93 10 - GPP
164	4.34	0.250	0.23	0.94	18	892	31	6 102	-256.8	975.3	1991	93 12 - GPP
86	4.19	0.280	0.13	0.95	16	892	34	6 125	-268.0	995.1	1992	93 04 - GPP
32	4.22	0.230	0.36	0.97	9	935	28	7 141	-271.7	1 050.8	1988	89 04
64	2.20	0.030	0.45	0.89	41	903	41	7 908	-262.2	1 016.2	1980	91 09 - ABAND 85 12
65	5.49	0.070	0.40	0.80	25	855	40	7 750	-357.0	1 131.4	1973	76 12 - GPP
64	7.00	0.060	0.19	0.57	246	822	88	27 698	-1 986.5	2 610.0	1983	90 11
100	14.10	0.070	0.17	0.56	247	825	82	28 119	-2 058.4	2 682.2	1983	91 12 - GPP
64	8.00	0.052	0.22	0.63	212	801	80	28 793	-2 087.8	2 722.7	1987	88 12 - ABAND 90 11
175	3.13	0.210	0.31	0.73	120	836	46	12 872	-502.0	1 378.2	1990	91 11 - GPP
192	3.90	0.210	0.22	0.85	70	871	39	12 722	-489.6	1 455.9	1992	93 07
64	2.14	0.110	0.40	0.84	74	870	38	11 450	-527.0	1 409.7	1978	90 12 - ABAND 85 10
64	2.00	0.090	0.48	0.83	83	838	45	13 593	-556.6	1 463.2	1987	88 07 - ABAND 89 11
64	2.15	0.160	0.20	0.80	80	861	45	12 246	-506.1	1 388.5	1963	93 01 - ABAND 92 10
64	0.80	0.200	0.36	0.85	59	877	41	12 747	-519.1	1 452.5	1989	89 09 - ABAND 90 03
476	1.40	0.180	0.23	0.82	79	861	45	13 236	-523.1	1 413.7	1976	93 10
64	2.20	0.180	0.45	0.82	79	861	45		-482.9	1 466.3	1992	93 01
64	3.50	0.200	0.50	0.82	79	861	45	12 744	-486.8	1 434.1	1992	93 01
64	2.10	0.170	0.44	0.89	44	867	33	13 001	-516.1	1 423.6	1992	93 03
64	2.47	0.134	0.50	0.89	37	852	27	7 885	-124.7	895.1	1980	84 12 - ABAND 83 08
64	4.50	0.180	0.38	0.86	55	871	39	5 807	-266.0	1 048.4	1981	89 12 - GPP
64	4.00	0.180	0.38	0.85	64	871	38	7 532	-273.7	1 048.2	1978	86 07
256	2.53	0.240	0.44	0.86	65	868	36	8 853	-284.6	1 079.3	1979	82 09 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
RAINBOW 109-05W6								
SLAVE POINT B	373.0	0.10		37.3		37.3	14.1	23.2
SULPHUR POINT B	4 001.0	0.12	0.08	480.0	320.0	800.0	415.5	384.5
WATER FLOOD								
SULPHUR POINT C	642.0	0.08		51.4		51.4	38.7	12.7
SULPHUR POINT E	127.0	<0.01		0.1		0.1	0.1	
SULPHUR POINT L	130.0	0.10		13.0		13.0	5.9	7.1
SULPHUR POINT O	600.0	0.15		90.0		90.0	60.3	29.7
SULPHUR POINT R	162.0	0.05		8.1		8.1	0.3	7.8
MUSKEG A	636.0	<0.08		45.3		45.3	45.3	
MUSKEG B	54.1	<0.13		6.7		6.7	6.7	
MUSKEG C WATER FLOOD	3 000.0	0.30	0.05	900.0	150.0	1 050.0	655.4	394.6
MUSKEG D	300.0	<0.02		5.9		5.9	5.9	
MUSKEG F	3 180.0	0.15		477.0		477.0	365.8	111.2
MUSKEG G	159.0	<0.04		5.5		5.5	5.5	
MUSKEG J	248.0	0.08		19.8		19.8	18.0	1.8
MUSKEG K WATER FLOOD	705.0	0.15	0.15	106.0	106.0	212.0	91.5	120.5
MUSKEG M	632.0	0.10		63.2		63.2	26.7	36.5
MUSKEG N	900.0	0.20		180.0		180.0	104.6	75.4
MUSKEG O	6 278.0	0.13		816.0		816.0	351.9	464.1
MUSKEG P	135.0	0.15		20.3		20.3	7.3	13.0
MUSKEG R	52.5	<0.01		0.1		0.1	0.1	
MUSKEG S WATER FLOOD	2 000.0	0.20	0.15	400.0	300.0	700.0	409.4	290.6
MUSKEG T	493.0	0.15		74.0		74.0	38.6	35.4
MUSKEG Y	455.0	0.08		36.4		36.4	21.9	14.5
MUSKEG Z	124.0	0.15		18.6		18.6	2.1	16.5
MUSKEG AA	48.3	0.20		9.7		9.7	8.1	1.6
MUSKEG BB	197.0	0.15		29.6		29.6	20.9	8.7
MUSKEG CC	114.0	<0.03		2.3		2.3	2.3	
MUSKEG EE	113.0	0.15		17.0		17.0	7.0	10.0
MUSKEG FF	127.0	0.05		6.4		6.4	1.4	5.0
MUSKEG GG	46.2	0.15		6.9		6.9	6.6	0.3
MUSKEG HH	44.8	0.30		13.4		13.4	4.9	8.5
MUSKEG JJ	33.3	0.15		5.0		5.0	0.7	4.3
MUSKEG LL	171.0	0.20		34.2		34.2	2.0	32.2
MUSKEG II & KEG RIVER K	2 200.0	0.40		880.0		880.0	734.9	145.1
KEG RIVER A SOLVENT FLOOD	14 320.0	0.50	0.38	7 160.0	5 430.0	12 590.0	9 769.0	2 821.0
KEG RIVER B SOLVENT FLOOD	43 000.0	0.40	0.32	17 200.0	13 600.0	30 800.0	21 072.7	9 727.3
KEG RIVER D SOLVENT FLOOD	1 130.0	0.40	0.25	452.0	283.0	735.0	686.6	48.4
KEG RIVER E SOLVENT FLOOD	3 450.0	0.35	0.40	1 208.0	1 380.0	2 588.0	2 327.6	260.4
KEG RIVER F GAS FLOOD	37 000.0	0.41	0.10	15 170.0	3 700.0	18 870.0	17 046.0	1 824.0
KEG RIVER G SOLVENT FLOOD	2 380.0	0.40	0.45	952.0	1 071.0	2 023.0	1 874.2	148.8
KEG RIVER H SOLVENT FLOOD	2 345.0	0.40	0.35	938.0	821.0	1 759.0	1 602.4	156.6
KEG RIVER I WATER FLOOD	5 500.0	0.37	0.18	2 035.0	990.0	3 025.0	2 779.3	245.7
KEG RIVER M	477.0	0.32		153.0		153.0	133.1	19.9
KEG RIVER N GAS FLOOD	2 940.0	0.30	0.13	882.0	397.0	1 279.0	1 010.1	268.9
KEG RIVER O SOLVENT FLOOD	6 200.0	0.40	0.40	2 480.0	2 480.0	4 960.0	4 044.6	915.4
KEG RIVER P	795.0	0.22		175.0		175.0	164.5	10.5
KEG RIVER Q	382.0	0.25		95.5		95.5	27.8	67.7
KEG RIVER R	70.2	<0.06		3.9		3.9	3.9	
KEG RIVER S	2 110.0	0.38		802.0		802.0	704.1	97.9
KEG RIVER T SOLVENT FLOOD	3 500.0	0.35	0.20	1 225.0	700.0	1 925.0	1 871.9	53.1
KEG RIVER U	3 250.0	0.35		1 138.0		1 138.0	942.7	195.3
KEG RIVER V	41.9	<0.01		0.4		0.4	0.4	
KEG RIVER W	343.0	0.15		51.5		51.5	30.4	21.1
KEG RIVER X	636.0	0.50		318.0		318.0	282.8	35.2
KEG RIVER Y	28.5	<0.06		1.5		1.5	1.5	
KEG RIVER Z SOLVENT FLOOD	3 500.0	0.32	0.28	1 120.0	980.0	2 100.0	1 527.1	572.9
KEG RIVER AA SOLVENT FLOOD	11 000.0	0.45	0.25	4 950.0	2 750.0	7 700.0	7 161.1	538.9

LIGHT-MEDIUM CRUDE OIL POOLS

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
RAINBOW 109-05W6 (CONTINUED)								
KEG RIVER DD	585.0	0.20		117.0		117.0	93.5	23.5
KEG RIVER EE	2 780.0	0.35	0.25	973.0	695.0	1 668.0	1 559.2	108.8
WATER FLOOD								
KEG RIVER FF	2 500.0	0.42	0.31	1 050.0	775.0	1 825.0	1 414.6	410.4
SOLVENT FLOOD								
KEG RIVER GG	1 786.0	0.60		1 072.0		1 072.0	884.9	187.1
KEG RIVER HH	186.0	<0.02		3.2		3.2	3.2	
KEG RIVER II	3 800.0	0.45	0.20	1 710.0	760.0	2 470.0	1 957.3	512.7
SOLVENT FLOOD								
KEG RIVER JJ	1 360.0	0.27	0.12	367.0	163.0	530.0	509.3	20.7
WATER FLOOD								
KEG RIVER KK	787.0	0.20	0.10	157.0	78.7	236.0	209.0	27.0
WATER FLOOD								
KEG RIVER LL	1 590.0	0.25		398.0		398.0	296.5	101.5
KEG RIVER MM	1 840.0	0.25		460.0		460.0	311.5	148.5
KEG RIVER NN	679.0	0.20		136.0		136.0	113.7	22.3
KEG RIVER OO	2 840.0	0.40	0.10	1 136.0	284.0	1 420.0	1 032.7	387.3
WATER FLOOD								
KEG RIVER PP TOTAL	953.0			334.0	44.2	378.0	305.0	73.0
PRIMARY AREA	400.0	0.20		80.0		80.0		
WATER FLOOD AREA	553.0	0.46	0.08	254.0	44.2	298.0		
KEG RIVER QO	1 210.0	0.35	0.18	423.0	218.0	641.0	424.8	216.2
WATER FLOOD								
KEG RIVER RR	413.0	0.40	0.13	165.0	53.7	219.0	203.9	15.1
WATER FLOOD								
KEG RIVER SS	477.0	0.20		95.4		95.4	54.3	41.1
KEG RIVER TT	41.0	<0.02		0.5		0.5	0.5	
KEG RIVER VV	319.0	0.36	0.11	115.0	35.1	150.0	135.2	14.8
WATER FLOOD								
KEG RIVER WW	479.0	0.20		95.8		95.8	62.6	33.2
KEG RIVER XX	183.0	<0.15		27.3		27.3	27.3	
KEG RIVER ZZ	300.0	0.45		135.0		135.0	118.6	16.4
KEG RIVER BBB	600.0	0.16		96.0		96.0	92.2	3.8
KEG RIVER CCC	556.0	0.35		195.0		195.0	157.0	38.0
KEG RIVER DDD	700.0	0.23	0.07	161.0	49.0	210.0	172.1	37.9
WATER FLOOD								
KEG RIVER EEE	1 580.0	<0.40	0.07	630.0	120.0	750.0	745.6	4.4
SOLVENT FLOOD								
KEG RIVER GGG	512.0	0.40		205.0		205.0	85.7	119.3
KEG RIVER HHH	254.0	0.15		38.1		38.1	25.1	13.0
KEG RIVER JJJ	300.0	0.30		90.0		90.0	33.5	56.5
KEG RIVER KKK	159.0	0.35		55.6		55.6	33.3	22.3
KEG RIVER LLL	378.0	<0.10		36.0		36.0	36.0	
KEG RIVER MMM	159.0	<0.02		2.1		2.1	2.1	
KEG RIVER NNN	92.9	<0.02		1.0		1.0	1.0	
KEG RIVER OOO	234.0	0.20	0.10	46.8	23.4	70.2	68.0	2.2
WATER FLOOD								
KEG RIVER QOO	1 301.0	0.20		260.0		260.0	234.9	25.1
KEG RIVER SSS	195.0	0.30		58.6		58.6	52.2	6.4
KEG RIVER TTT	497.0	0.35		174.0		174.0	139.2	34.8
KEG RIVER UUU	111.0	0.30		33.4		33.4	25.9	7.5
KEG RIVER VVV	137.0	0.10		13.7		13.7	8.7	5.0
KEG RIVER WWW	377.0	<0.04		11.8		11.8	11.8	
KEG RIVER XXX	58.4	0.05		2.9		2.9	2.9	
KEG RIVER YYY	140.0	0.20		28.0		28.0	14.3	13.7
KEG RIVER ZZZ	51.1	<0.03		1.1		1.1	1.1	
KEG RIVER A2A	80.7	<0.13		10.0		10.0	10.0	
KEG RIVER B2B	132.0	<0.02		1.4		1.4	1.4	
KEG RIVER C2C	2 540.0	<0.41	0.13	1 020.0	330.0	1 350.0	830.3	519.7
WATER FLOOD								
KEG RIVER D2D	90.0	0.15		13.5		13.5	3.4	10.1
KEG RIVER E2E	70.2	<0.02		0.9		0.9	0.9	
KEG RIVER F2F	26.9	<0.14		3.7		3.7	3.7	
KEG RIVER G2G	32.4	0.01		0.3		0.3	0.3	
KEG RIVER H2H	200.0	0.35	0.04	70.0	8.0	78.0	65.7	12.3
GAS FLOOD								
KEG RIVER I2I	147.0	0.30		44.1		44.1	31.0	13.1
KEG RIVER J2J	36.6	<0.01		0.1		0.1	0.1	
KEG RIVER K2K	180.0	<0.05		8.1		8.1	8.1	
KEG RIVER L2L	56.8	<0.01		0.2		0.2	0.2	
KEG RIVER M2M	200.0	0.15		30.0		30.0	2.9	27.1

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
134	18.42	0.040	0.25	0.79	80	820	87	15 901	-1 210.5	1 793.9	1967	92 11 - GPP
148	45.04	0.063	0.14	0.77	88	834	86	15 282	-1 188.8	1 684.5	1967	93 12 - GPP
92	46.13	0.085	0.10	0.77	86	839	87	15 944	-1 226.5	1 722.7	1967	87 08 - GPP
400	22.55	0.033	0.20	0.75	81	784	93	15 925	-1 225.0	1 710.9	1966	92 09 - GPP
16	42.06	0.046	0.25	0.80	85	820	84	18 028	-1 391.7	1 881.5	1967	89 12 - ABAND 90 03
104	56.90	0.100	0.12	0.73	85	820	89	17 650	-1 341.2	1 829.1	1967	91 11 - GPP
51	48.41	0.085	0.10	0.72	110	815	90	17 044	-1 326.1	1 809.5	1967	92 12 - GPP
154	22.41	0.040	0.25	0.76	74	779	94	16 385	-1 253.3	1 742.5	1967	90 12 - GPP
304	35.92	0.026	0.30	0.80	68	797	86	15 644	-1 199.5	1 616.8	1967	88 12
518	25.13	0.027	0.32	0.77	81	855	84	15 180	-1 165.6	1 681.7	1967	92 06 - GPP
166	13.01	0.053	0.23	0.77	70	806	86	15 396	-1 194.1	1 612.9	1967	91 12 - GPP
421	18.99	0.057	0.18	0.76	92	825	85	15 356	-1 191.2	1 626.5	1967	89 04 - GPP
128					106	784	94	15 603	-1 207.3	1 669.5	1967	89 12
64	32.90	0.033	0.20	0.72								
64	39.46	0.038	0.20	0.72								- GPP
112	39.46	0.045	0.21	0.77	94	839	85	15 366	-1 200.7	1 678.1	1967	69 07 - GPP
39	24.40	0.070	0.15	0.73	98	779	93	16 104	-1 249.9	1 740.3	1968	84 12 - GPP
47	28.65	0.054	0.20	0.82	57	834	87	15 307	-1 185.5	1 711.5	1968	89 12 - GPP
36	10.15	0.023	0.35	0.75	108	797	83	15 615	-1 213.9	1 670.5	1966	77 09 - ABAND 78 09
71	22.00	0.040	0.25	0.68	74	834	73	16 224	-1 253.2	1 750.3	1968	83 12 - GPP
50	58.49	0.030	0.30	0.78	81	849	82	15 258	-1 174.4	1 510.0	1968	84 12 - GPP
39	19.04	0.040	0.20	0.77	75	825	84	15 574	-1 204.2	1 747.4	1968	91 12 - ABAND 91 03
45	27.43	0.040	0.22	0.78	84	834	87	15 217	-1 180.7	1 518.3	1968	93 12 - GPP
106	30.25	0.032	0.24	0.77	95	839	82	15 824	-1 235.6	1 579.4	1968	91 12 - GPP
41	40.39	0.050	0.15	0.79	89	839	80	15 907	-1 227.7	1 562.7	1968	70 02 - GPP
50	40.63	0.054	0.15	0.75	55	834	87	15 279	-1 175.0	1 579.3	1968	90 12 - GPP
21	75.40	0.147	0.07	0.73	95	839	86	17 314	-1 348.8	1 838.6	1968	90 10 - GPP
154	14.39	0.040	0.25	0.77	85	834	82	15 177	-1 176.9	1 514.6	1968	91 06 - GPP
303	9.69	0.018	0.40	0.80	68	797	84	15 538	-1 182.5	1 590.0	1967	82 12 - GPP
41	48.40	0.025	0.27	0.83	68	839	86	15 177	-1 188.6	1 527.5	1969	88 06 - GPP
11	40.84	0.053	0.15	0.79	82	834	88	15 788	-1 238.4	1 886.4	1969	75 04 - GPP
69	35.84	0.025	0.27	0.84	55	844	87	15 266	-1 163.6	1 508.9	1969	92 10 - ABAND 93 01
12	30.99	0.066	0.18	0.79	66	834	86	15 499	-1 231.0	1 876.0	1969	92 10 - ABAND 93 03
16	33.83	0.033	0.35	0.80	67	839	79	15 363	-1 162.3	1 611.2	1969	89 12 - ABAND 91 01
81	9.91	0.045	0.20	0.81	64	811	97	15 953	-1 262.0	1 748.9	1970	93 12 - GPP
285	13.80	0.053	0.22	0.80	55	811	90	15 399	-1 190.9	1 612.3	1968	91 12 - GPP
65	10.06	0.047	0.16	0.76	101	825	84	15 455	-1 236.4	1 687.5	1972	73 12 - GPP
64	21.03	0.060	0.20	0.77	89	811	88	15 816	-1 241.6	1 862.5	1973	92 12
31	12.41	0.048	0.20	0.76	92	815	83	15 585	-1 237.9	1 687.8	1974	75 10 - GPP
65	8.75	0.043	0.27	0.77	85	834	89	14 677	-1 157.6	1 491.4	1970	85 04 - GPP
32	54.00	0.040	0.30	0.78	81	810	87	14 961	-1 176.3	1 579.0	1980	89 12 - GPP
16	12.00	0.050	0.20	0.76	104	815	72	13 910	-1 142.2	1 538.5	1982	82 07 - ABAND 91 02
45	50.00	0.020	0.60	0.78	81	783	93	12 980	-1 206.1	1 625.0	1982	83 12 - GPP
16	15.00	0.040	0.28	0.74	105	803	45	14 646	-1 183.0	1 584.4	1983	84 05 - ABAND 89 03
16	11.50	0.060	0.13	0.84	100	824	86	15 484	-1 190.6	1 692.8	1984	84 06 - ABAND 88 09
64	19.76	0.020	0.32	0.76	69	834	88	14 829	-1 168.1	1 680.3	1982	88 12
71	74.15	0.080	0.10	0.67	140	815	84	20 372	-1 428.2	1 918.9	1966	76 06 - GPP
11	57.54	0.030	0.40	0.79	54	823	82	14 909	-1 173.1	1 572.8	1985	86 06
64	19.00	0.015	0.45	0.70	112	800	100	17 134	-1 376.2	1 946.5	1985	87 12
16	16.50	0.020	0.37	0.81	54	820	94	14 022	-1 159.6	1 620.1	1985	86 03 - ABAND 90 12
16	31.00	0.013	0.38	0.81	64	820	65	12 973	-1 197.0	1 621.5	1985	89 12 - ABAND 91 01
57	9.70	0.060	0.12	0.68	143	817	87	16 337	-1 288.0	1 776.7	1968	92 06 - GPP
64	17.40	0.020	0.24	0.87	41	831	75	14 945	-1 156.8	1 596.6	1985	93 04 - GPP
16	34.00	0.016	0.50	0.84	53	820	81	13 801	-1 184.4	1 527.0	1985	88 12 - ABAND 90 03
50	12.24	0.053	0.27	0.76	70	818	88	14 911	-1 214.9	1 634.6	1985	92 10 - ABAND 91 11
16	10.50	0.051	0.15	0.78	81	828	84	13 701	-1 154.7	1 503.3	1986	86 06 - ABAND 88 02
49	37.12	0.021	0.32	0.77	93	812	84	14 724	-1 249.8	1 864.8	1985	87 07

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
RAINBOW 109-05W6 (CONTINUED)								
KEG RIVER N2N	139.0	0.20		27.8		27.8	12.8	15.0
KEG RIVER O2O	1 300.0	0.35		455.0		455.0	312.9	142.1
KEG RIVER P2P	112.0	<0.02		1.9		1.9	1.9	
KEG RIVER Q2Q	280.0	0.30		84.0		84.0	39.1	44.9
KEG RIVER R2R	20.8	<0.05		0.9		0.9	0.9	
KEG RIVER S2S	322.0	0.10		32.2		32.2	13.9	18.3
KEG RIVER T2T	63.8	<0.02		0.8		0.8	0.8	
KEG RIVER U2U	99.3	0.20		19.9		19.9	10.6	9.3
KEG RIVER V2V	158.0	0.25		39.5		39.5	8.6	30.9
KEG RIVER W2W	47.7	0.01		0.5		0.5	0.5	
KEG RIVER X2X	22.2	0.30		6.7		6.7	5.2	1.5
KEG RIVER Y2Y	1 000.0	0.40		400.0		400.0	266.0	134.0
KEG RIVER Z2Z	650.0	0.40		260.0		260.0	205.0	55.0
KEG RIVER B3B	864.0	0.30		259.0		259.0	197.0	62.0
KEG RIVER C3C	54.0	0.10		5.4		5.4	5.4	
KEG RIVER D3D	354.0	0.10		35.4		35.4	3.5	31.9
KEG RIVER E3E	161.0	<0.01		1.4		1.4	1.4	
KEG RIVER F3F	38.0	<0.03		1.1		1.1	1.1	
KEG RIVER G3G	128.0	0.35		44.8		44.8	4.4	40.4
KEG RIVER H3H	84.2	0.03		2.5		2.5	1.6	0.9
KEG RIVER I3I	500.0	0.10		50.0		50.0	15.8	34.2
KEG RIVER J3J	77.9	0.05		3.9		3.9	1.2	2.7
KEG RIVER K3K	100.0	0.02		2.0		2.0	0.8	1.2
KEG RIVER L3L	77.0	0.10		7.7		7.7	2.3	5.4
KEG RIVER M3M	245.0	0.25		61.3		61.3	0.1	61.2
KEG RIVER N3N	64.0	0.30		19.2		19.2	12.8	6.4
KEG RIVER O3O	135.0	0.05		6.8		6.8	4.0	2.8
KEG RIVER P3P	98.0	0.35		34.3		34.3	15.8	18.5
KEG RIVER Q3Q	167.0	0.30		50.1		50.1	13.7	36.4
KEG RIVER R3R	190.0	0.25		47.5		47.5	25.5	22.0
KEG RIVER S3S	235.0	0.30		70.5		70.5	8.7	61.8
KEG RIVER U3U	89.3	0.25		22.3		22.3	2.7	19.6
FIELD TOTAL	218 049.0			77 737.0	39 095.1	116 832.4	92 358.4	24 474.0
RAINBOW SOUTH 107-09W6								
SULPHUR POINT B	23.8	<0.05		1.0		1.0	1.0	
MUSKEG A	37.0	0.30		11.1		11.1	10.4	0.7
MUSKEG B	596.0	0.10		59.6		59.6	38.3	21.3
MUSKEG C	157.0	0.17		26.7		26.7	21.3	5.4
MUSKEG D	157.0	<0.08		11.1		11.1	11.1	
MUSKEG F	112.0	<0.01		0.2		0.2	0.2	
MUSKEG G	600.0	0.20		120.0		120.0	72.0	48.0
MUSKEG H WATER FLOOD	3 200.0	0.15	0.15	480.0	480.0	960.0	259.3	700.7
MUSKEG J	107.0	<0.07		7.0		7.0	7.0	
MUSKEG K	533.0	0.15		80.0		80.0	62.6	17.4
MUSKEG L	130.0	<0.03		3.0		3.0	3.0	
MUSKEG O	1 250.0	0.07		87.5		87.5	42.3	45.2
MUSKEG P	2 501.0	0.15		375.0		375.0	171.0	204.0
MUSKEG S	288.0	0.10		28.8		28.8	24.5	4.3
MUSKEG U	517.0	0.20		103.0		103.0	31.2	71.8
MUSKEG V	307.0	0.15		46.1		46.1	3.2	42.9
KEG RIVER A WATER FLOOD	5 720.0	0.24	0.08	1 373.0	457.0	1 830.0	1 739.8	90.2
KEG RIVER B SOLVENT FLOOD	6 520.0	0.45	0.20	2 934.0	1 304.0	4 238.0	3 940.9	297.1
KEG RIVER C	2 250.0	0.50		1 125.0		1 125.0	765.0	360.0
KEG RIVER D	207.0	0.30		62.1		62.1	41.9	20.2
KEG RIVER E WATER FLOOD	7 700.0	0.29	0.06	2 233.0	462.0	2 695.0	2 506.3	188.7
KEG RIVER F WATER FLOOD	855.0	0.27	0.14	235.0	120.0	355.0	224.3	130.7
KEG RIVER G WATER FLOOD	3 185.0	0.28	0.09	892.0	286.0	1 178.0	1 112.9	65.1
KEG RIVER J	514.0	0.20		103.0		103.0	87.3	15.7
KEG RIVER K	173.0	0.50		86.5		86.5	74.6	11.9
KEG RIVER L	95.2	<0.28		26.3		26.3	26.3	
KEG RIVER M	95.3	0.35		33.4		33.4	7.6	25.8
KEG RIVER N	3 000.0	0.10		300.0		300.0	278.6	21.4
KEG RIVER P	340.0	0.45		153.0		153.0	123.3	29.7

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
64	26.40	0.020	0.45	0.75	86	786	90	13 842	-1 264.4	1 754.7	1984	90 10 - GPP
48	88.30	0.048	0.17	0.77	143	790	87	16 707	-1 399.6	1 903.8	1986	87 12
64	23.00	0.019	0.40	0.67	143	780	87	14 940	-1 333.0	1 836.5	1986	89 12
64	12.00	0.055	0.16	0.79	108	817	87	14 591	-1 227.5	1 684.0	1986	91 12
32	11.00	0.011	0.33	0.80	55	760	90	15 175	-1 225.2	1 650.5	1986	89 12 - ABAND 91 01
64	14.00	0.057	0.18	0.77	85	846	81	16 444	-1 308.6	1 793.8	1968	92 12 - GPP
16	57.00	0.016	0.44	0.78	81	843	84	13 765	-1 179.2	1 525.5	1986	91 10 - ABAND 90 03
16	40.50	0.025	0.27	0.84	53	848	81	12 888	-1 178.1	1 516.3	1986	91 12 - GPP
64	59.00	0.010	0.45	0.76	91	837	87	15 175	-1 195.9	1 599.0	1986	87 07
16	36.00	0.017	0.35	0.75	85	835	82	14 179	-1 177.5	1 516.0	1986	89 12 - ABAND 90 12
16	32.60	0.012	0.50	0.71	180	757	95	16 939	-1 349.2	1 859.5	1987	90 05
39	64.71	0.063	0.15	0.74	90	821	88	16 886	-1 336.7	1 827.0	1987	91 09 - GPP
39	66.40	0.042	0.17	0.72	112	810	90	15 988	-1 347.7	1 840.0	1987	91 09 - GPP
192	26.90	0.031	0.30	0.77	98	817	88	15 666	-1 242.6	1 846.8	1987	88 10 - GPP
64	18.00	0.010	0.30	0.67	143	761	75	16 680	-1 323.0	1 831.0	1987	93 06 - ABAND 92 11
16	56.00	0.072	0.18	0.67	143	817	87	16 836	-1 348.3	1 842.8	1987	92 11
18	57.94	0.036	0.36	0.67	120	793	90	13 875	-1 118.3	1 614.7	1987	92 10
16	23.30	0.017	0.24	0.79	64	803	97	16 380	-1 258.6	1 750.4	1988	91 10 - ABAND 90 12
64	11.00	0.030	0.20	0.76	71	776	97	14 060	-1 235.3	1 687.0	1988	88 10 - GPP
16	56.00	0.017	0.30	0.79	54	810	82	15 245	-1 195.0	1 601.0	1988	91 12 - GPP
39	36.20	0.070	0.17	0.61	143	817	87	16 999	-1 365.9	1 862.3	1988	90 10 - GPP
16	32.00	0.030	0.35	0.78	70	793	87	13 745	-1 215.6	1 631.0	1986	89 04 - GPP
64	19.30	0.018	0.43	0.79	76	829	87	15 247	-1 247.1	1 871.7	1988	91 12
16	29.00	0.030	0.30	0.79	76	829	87	15 632	-1 241.9	1 856.5	1988	89 05 - GPP
64	21.50	0.030	0.23	0.77	87	768	87	14 917	-1 163.8	1 571.3	1987	89 12
32	12.95	0.030	0.34	0.78	87	814	84	15 266	-1 210.5	1 788.5	1989	91 01
16	69.00	0.030	0.40	0.68	149	816	78	16 121	-1 389.0	1 887.5	1990	92 12 - GPP
32	71.96	0.010	0.44	0.76	91	837	87	15 088	-1 195.0	1 705.9	1990	90 12 - GPP
32	34.50	0.030	0.28	0.70	131	800	91	13 909	-1 194.8	1 620.8	1990	91 03
40	11.00	0.070	0.13	0.71	108	784	94	15 378	-1 261.6	1 753.9	1990	93 04 - GPP
32	58.30	0.040	0.63	0.85	41	835	84	15 292	-1 199.1	1 540.0	1991	91 12
16	36.00	0.030	0.32	0.76	69	834	88	15 196	-1 196.0	1 641.0	1992	93 01 - GPP
11	3.04	0.120	0.14	0.69	154	829	60	19 693	-1 317.0	1 814.8	1968	78 09
5	18.07	0.080	0.20	0.64	180	811	88	18 568	-1 406.3	1 893.4	1965	92 12 - GPP
168	4.73	0.120	0.12	0.71	121	825	84	16 296	-1 335.4	1 828.9	1966	91 09 - GPP
16	16.75	0.090	0.13	0.75	160	820	89	17 555	-1 428.0	1 925.2	1967	92 09 - GPP
32	9.54	0.080	0.15	0.75	107	820	82	17 843	-1 420.0	1 925.4	1968	88 12 - ABAND 88 08
16	16.70	0.080	0.25	0.70	124	825	72	17 360	-1 401.2	1 903.5	1968	78 04 - ABAND 79 10
63	19.78	0.080	0.14	0.70	160	825	90	18 054	-1 404.2	1 908.3	1978	86 09
348	16.35	0.080	0.11	0.79	89	820	77	17 608	-1 380.5	1 853.5	1967	92 02 - GPP
32	8.00	0.070	0.12	0.68	130	802	78	17 511	-1 409.9	1 920.6	1979	83 05 - ABAND 85 12
153	7.00	0.084	0.13	0.68	160	789	90	17 663	-1 406.1	1 919.9	1978	87 02 - GPP
24	11.80	0.080	0.10	0.64	160	790	90	18 096	-1 465.0	2 010.0	1983	85 04 - ABAND 88 03
300	10.03	0.070	0.14	0.69	190	807	84	19 102	-1 320.9	1 817.9	1984	88 09 - GPP
439	12.13	0.069	0.17	0.82	57	838	81	18 730	-1 345.8	1 828.8	1984	91 12
64	6.50	0.120	0.10	0.64	160	789	90	19 043	-1 426.0	1 930.5	1984	89 10
64	14.32	0.098	0.10	0.64	160	758	90	15 135	-1 378.0	1 864.8	1967	89 05 - GPP
64	10.40	0.080	0.10	0.64	160	789	90	17 558	-1 376.8	1 848.0	1968	91 09 - GPP
167	65.17	0.097	0.14	0.63	176	801	81	18 672	-1 456.6	1 939.0	1965	91 12 - GPP
223	79.81	0.060	0.14	0.71	141	826	84	18 831	-1 471.9	1 962.0	1966	89 12 - GPP
304	24.14	0.050	0.16	0.73	171	811	88	18 149	-1 431.4	1 935.1	1966	86 06
101	18.35	0.028	0.30	0.57	225	775	92	18 733	-1 449.7	1 931.6	1965	84 08 - GPP
212	68.72	0.091	0.12	0.66	159	806	90	18 816	-1 450.8	1 926.9	1966	93 09 - GPP
40	43.10	0.100	0.13	0.57	249	797	88	22 464	-1 419.4	1 896.7	1967	92 02 - GPP
85	72.48	0.088	0.11	0.66	160	806	88	18 649	-1 470.4	1 944.6	1967	91 12 - GPP
30	19.47	0.138	0.15	0.75	101	801	92	17 858	-1 429.2	1 933.5	1968	91 12 - GPP
77	10.70	0.036	0.22	0.75	101	788	95	18 105	-1 454.4	1 976.5	1968	93 12 - GPP
20	13.56	0.057	0.20	0.77	88	797	98	18 383	-1 469.0	1 971.6	1968	85 05 - ABAND 88 08
33	8.97	0.050	0.13	0.74	107	797	98	18 295	-1 473.8	2 016.1	1968	88 09
172	36.55	0.073	0.14	0.76	159	796	69	18 333	-1 487.0	1 993.2	1978	89 12 - GPP
56	25.00	0.040	0.19	0.75	105	801	90	17 675	-1 430.2	1 927.3	1982	85 03

TABLE 2-6

FIELD POOL	1	3		5			6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL			
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	
RAINBOW SOUTH 107-09W6 (CONTINUED)									
KEG RIVER S	584.0	0.45		263.0		263.0	220.2	42.8	
KEG RIVER V	72.0	0.30		21.6		21.6	15.6	6.0	
KEG RIVER X	185.0	<0.01		1.2		1.2	1.2		
KEG RIVER Y	342.0	0.45		154.0		154.0	17.4	136.6	
FIELD TOTAL	42 353.3			11 436.2	3 109.0	14 545.2	11 941.6	2 603.6	
RANDELL 077-11W5									
SLAVE POINT A	204.0	0.05		10.2		10.2	4.8	5.4	
GILWOOD A	72.9	0.30		21.9		21.9	7.6	14.3	
GILWOOD B	41.1	0.10		4.1		4.1	1.4	2.7	
GILWOOD C	30.2	<0.08		2.4		2.4	2.4		
FIELD TOTAL	348.2			38.6		38.6	16.2	22.4	
RED COULEE 001-17W4									
MOULTON A	270.0	0.14	0.09	37.8	24.3	62.1	58.7	3.4	
WATER FLOOD									
MOULTON B TOTAL	993.0			61.9	96.1	158.0	156.2	1.8	
PRIMARY AREA	119.0	0.08		9.5		9.5			
WATER FLOOD AREA	874.0	0.06	0.11	52.4	96.1	149.0			
MOULTON C TOTAL	552.0			127.0	70.2	197.0	195.4	1.6	
PRIMARY AREA	12.3	0.23		2.8		2.8			
WATER FLOOD AREA	540.0	0.23	0.13	124.0	70.2	194.0			
SUNBURST A	301.0	0.04		12.0		12.0	11.4	0.6	
SUNBURST B	445.0	0.11		48.9		48.9	48.5	0.4	
FIELD TOTAL *	2 561.0			287.6	190.6	478.0	470.2	7.8	
RED EARTH 088-08W5									
SLAVE POINT C	240.0	0.17		40.8		40.8	37.0	3.8	
SLAVE POINT E	6 200.0	0.05		310.0		310.0	258.3	51.7	
SLAVE POINT F	119.0	0.12		14.3		14.3	13.1	1.2	
SLAVE POINT G	137.0	0.15		20.6		20.6	15.7	4.9	
SLAVE POINT S	794.0	0.05		39.7		39.7	20.4	19.3	
SLAVE POINT U	357.0	0.10		35.7		35.7	26.4	9.3	
SLAVE POINT V	884.0	0.10		88.4		88.4	43.0	45.4	
SLAVE POINT W	153.0	0.05		7.7		7.7	4.3	3.4	
SLAVE POINT X	229.0	<0.01		0.1		0.1	0.1		
SLAVE POINT Y	124.0	0.05		6.2		6.2	1.0	5.2	
SLAVE POINT Z	49.0	<0.03		1.1		1.1	1.1		
SLAVE POINT AA	74.0	<0.01		0.6		0.6	0.6		
SLAVE POINT BB	229.0	0.05		11.5		11.5	6.7	4.8	
SLAVE POINT CC	116.0	<0.01		0.1		0.1	0.1		
SLAVE POINT DD	31.8	<0.01		0.1		0.1	0.1		
SLAVE POINT EE	76.5	0.10		7.6		7.6	1.2	6.4	
SLAVE POINT FF	81.4	0.10		8.1		8.1	0.4	7.7	
SLAVE POINT A & GRAN WASH VV TOTAL	15 090.0			854.0	267.0	1 121.0	801.0	320.0	
PRIMARY AREA	9 635.0	<0.05		482.0		482.0			
WATER FLOOD AREA	5 453.0	0.06	0.04	372.0	267.0	639.0			
KEG RIVER B	21.5	<0.01		0.1		0.1	0.1		
GRANITE WASH A	14 400.0	0.30		4 320.0		4 320.0	3 379.8	940.2	
GRANITE WASH B	76.9	<0.11		8.2		8.2	8.2		
GRANITE WASH C	2 374.0	0.35		831.0		831.0	761.1	69.9	
GRANITE WASH D	254.0	<0.02		4.9		4.9	4.9		
GRANITE WASH E TOTAL	3 156.0			877.0	101.0	978.0	914.2	63.8	
PRIMARY AREA	1 140.0	0.15		171.0		171.0			
WATER FLOOD AREA	2 016.0	0.35	0.05	706.0	101.0	807.0			
GRANITE WASH F	353.0	0.03		10.6		10.6	5.8	4.8	
GRANITE WASH I	136.0	<0.06		8.1		8.1	8.1		
GRANITE WASH J	533.0	0.10		53.3		53.3	42.3	11.0	
GRANITE WASH K	316.0	0.12		37.9		37.9	35.0	2.9	
GRANITE WASH L	427.0	<0.02		8.0		8.0	8.0		
GRANITE WASH M	45.6	0.15		6.8		6.8	4.8	2.0	
GRANITE WASH N	68.7	<0.17		11.4		11.4	11.4		
GRANITE WASH O	109.0	0.04		4.4		4.4	4.4		
GRANITE WASH P	132.0	0.15		19.8		19.8	12.1	7.7	
GRANITE WASH Q	92.5	<0.02		1.5		1.5	1.5		
GRANITE WASH R	231.0	<0.01		0.1		0.1	0.1		
GRANITE WASH S	159.0	<0.01		0.3		0.3	0.3		

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
40	16.48	0.123	0.10	0.80	78	784	94	16 795	-1 451.0	1 956.1	1984	91 12 - GPP
16	16.00	0.044	0.16	0.76	101	810	92	16 996	-1 435.2	1 937.0	1986	87 04 - GPP
64	13.00	0.040	0.16	0.66	159	809	88	17 429	-1 435.8	1 947.5	1989	89 11
40	19.00	0.070	0.12	0.73	118	800	88	17 845	-1 423.4	1 938.5	1992	93 05
64	6.50	0.080	0.32	0.90	29	865	60	20 084	-1 141.3	1 843.0	1983	89 12 - GPP
64	2.20	0.120	0.48	0.83	58	841	58	19 734	-1 248.5	1 943.8	1985	92 01 - GPP
16	3.00	0.170	0.40	0.84	58	831	64	17 569	-1 214.1	1 915.3	1992	93 02 - GPP
65	0.85	0.110	0.38	0.80	58	838	58	19 485	-1 217.3	1 920.2	1967	75 12 - ABAND 71 02
97	2.53	0.180	0.33	0.91	30	825	27	5 141	338.8	800.0	1951	68 07 - GPP
97	5.55	0.187	0.26	0.96	21	825	27	4 913	322.5	786.6	1954	77 03 - GPP
16	8.12	0.187	0.26	0.96	30	825	28	5 177	346.3	745.8	1965	93 04
81	3.30	0.180	0.40	0.86								- GPP
93	5.16	0.180	0.24	0.86								- GPP
4	6.71	0.150	0.50	0.92	35	904	28	6 193	331.8	749.4	1930	87 12 - GPP
89	7.62	0.200	0.40	0.92	35	904	28	7 123	340.7	758.1	1929	76 12 - GPP
65												
53												
91	4.60	0.085	0.25	0.90	24	829	48	12 160	-737.4	1 336.7	1967	93 07 - GPP
1 921	5.03	0.100	0.31	0.93	42	834	39	12 491	-752.7	1 263.9	1966	90 07
65	3.35	0.076	0.20	0.90	43	829	82	13 189	-784.1	1 323.6	1971	89 12 - GPP
65	3.35	0.100	0.30	0.90	43	829	43	13 403	-788.1	1 328.2	1973	89 12 - GPP
397	3.56	0.094	0.35	0.92	21	821	39	9 171	-792.1	1 387.3	1982	86 06 - GPP
64	12.00	0.100	0.50	0.93	25	826	41	10 417	-702.5	1 255.0	1980	82 07 - GPP
192	11.30	0.066	0.35	0.95	49	828	37	6 567	-684.5	1 219.4	1981	86 12 - GPP
64	5.52	0.062	0.25	0.93	19	825	39	12 505	-709.3	1 263.7	1982	91 01 - GPP
64	7.00	0.110	0.49	0.91	32	832	38	11 791	-678.6	1 209.3	1983	85 05 - ABAND 89 03
32	5.00	0.120	0.32	0.95	16	829	37	9 984	-687.1	1 205.5	1985	91 12 - GPP
64	1.50	0.080	0.25	0.85	57	820	38	12 190	-737.7	1 342.8	1984	92 10
64	2.91	0.084	0.45	0.86	21	830	39	11 829	-748.5	1 313.7	1985	88 12 - ABAND 90 03
16	27.90	0.070	0.23	0.95	16	821	37	11 344	-719.2	1 241.7	1988	88 10 - GPP
16	9.30	0.100	0.15	0.92	25	822	39	11 842	-750.3	1 347.7	1968	91 10 - ABAND 90 10
32	2.43	0.080	0.45	0.93	19	824	39	12 089	-781.1	1 296.5	1966	91 10 - ABAND 90 10
32	5.80	0.070	0.36	0.92	25	822	39	11 393	-780.5	1 305.5	1983	91 11 - GPP
32	4.00	0.090	0.24	0.93	19	824	39	9 286	-791.9	1 322.0	1987	92 01
4 510					21	820	48	14 482	-758.5	1 297.8	1957	92 04 - GPP
2 986	5.14	0.090	0.25	0.93								
1 524	5.70	0.090	0.25	0.93								
64	0.40	0.145	0.32	0.85	56	828	40	14 474	-890.7	1 511.5	1988	91 10 - ABAND 89 03
3 776	3.72	0.149	0.20	0.86	56	825	42	16 232	-903.2	1 432.7	1958	75 12 - GPP
65	1.83	0.094	0.20	0.86	56	825	43	15 918	-905.7	1 438.5	1965	87 12 - GPP
832	3.00	0.140	0.21	0.86	56	825	42	16 100	-896.0	1 462.1	1956	86 09 - GPP
64	5.15	0.150	0.41	0.87	48	825	42	15 999	-900.0	1 460.5	1957	86 08 - ABAND 88 08
1 031					56	825	42	15 440	-871.6	1 487.1	1959	92 12 - GPP
536	3.13	0.123	0.35	0.85								
495	5.76	0.130	0.36	0.85								
188	2.39	0.130	0.29	0.85	64	826	42	15 950	-917.0	1 501.1	1964	90 12 - GPP
65	2.74	0.119	0.25	0.86	56	825	43	16 787	-892.6	1 512.0	1958	74 12 - GPP
256	3.60	0.120	0.44	0.86	56	825	53	15 222	-903.0	1 503.6	1967	86 06 - GPP
64	5.36	0.134	0.20	0.86	56	825	42	16 011	-898.4	1 518.1	1968	90 12 - GPP
129	3.96	0.126	0.23	0.86	56	834	52	15 543	-893.0	1 520.0	1958	84 03 - ABAND 89 06
65	0.91	0.112	0.20	0.86	56	829	52	15 532	-889.9	1 469.6	1970	91 05 - GPP
65	1.28	0.120	0.20	0.86	60	834	48	15 779	-903.8	1 515.8	1969	76 12 - GPP
16	5.49	0.180	0.20	0.86	57	829	42	15 343	-892.1	1 435.6	1973	92 12
64	2.00	0.150	0.20	0.86	56	832	42	17 830	-898.6	1 466.0	1979	79 12 - GPP
64	2.00	0.120	0.30	0.86	56	834	72	14 846	-907.7	1 473.5	1979	83 12
64	3.50	0.150	0.20	0.86	56	825	56	15 179	-901.7	1 415.7	1980	81 12 - ABAND 81 01
64	3.20	0.180	0.50	0.86	56	825	48	15 372	-916.3	1 438.9	1980	81 12 - ABAND 81 01

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
RED EARTH 088-08W5 (CONTINUED)								
GRANITE WASH V	186.0	0.10		18.6		18.6	14.0	4.6
GRANITE WASH CC	55.7	<0.02		0.8		0.8	0.8	
GRANITE WASH DD	372.0	0.25		93.0		93.0	44.9	48.1
GRANITE WASH EE	531.0	0.05		26.6		26.6	5.5	21.1
GRANITE WASH HH	779.0	0.05		39.0		39.0	23.7	15.3
GRANITE WASH KK	86.2	<0.01		0.1		0.1	0.1	
GRANITE WASH LL	250.0	0.20		50.0		50.0	9.8	40.2
GRANITE WASH NN	410.0	0.03		12.3		12.3	5.9	6.4
GRANITE WASH OO	238.0	0.20		47.6		47.6	37.2	10.4
GRANITE WASH PP	188.0	0.20		37.6		37.6	10.3	27.3
GRANITE WASH QQ	32.7	<0.15		4.6		4.6	4.6	
GRANITE WASH RR	526.0	0.20		105.0		105.0	71.4	33.6
GRANITE WASH SS	38.3	0.10		3.8		3.8	0.6	3.2
GRANITE WASH TT	357.0	<0.01		0.6		0.6	0.6	
GRANITE WASH UU	176.0	0.20		35.2		35.2	22.8	12.4
GRANITE WASH XX	258.0	0.25		64.5		64.5	49.0	15.5
GRANITE WASH YY	188.0	<0.01		0.1		0.1	0.1	
GRANITE WASH ZZ	88.4	0.10		8.8		8.8	2.5	6.3
GRANITE WASH AAA	39.5	0.20		7.9		7.9	2.4	5.5
GRANITE WASH BBB	78.3	<0.01		0.1		0.1	0.1	
GRANITE WASH CCC	244.0	0.20		48.8		48.8	23.9	24.9
GRANITE WASH DDD	120.0	<0.16		18.4		18.4	18.4	
GRANITE WASH EEE	248.0	0.20		49.6		49.6	16.2	33.4
GRANITE WASH FFF	188.0	0.25		47.0		47.0	35.6	11.4
GRANITE WASH GGG	79.4	<0.01		0.1		0.1	0.1	
GRANITE WASH HHH	695.0	<0.03		16.8		16.8	16.8	
GRANITE WASH III	580.0	0.15		87.0		87.0	53.3	33.7
GRANITE WASH KKK	284.0	<0.03		6.9		6.9	6.9	
GRANITE WASH LLL	152.0	<0.02		1.7		1.7	1.7	
GRANITE WASH MMM	740.0	0.30		222.0		222.0	204.2	17.8
GRANITE WASH NNN	232.0	<0.01		0.5		0.5	0.5	
GRANITE WASH OOO	89.0	<0.01		0.5		0.5	0.5	
GRANITE WASH PPP	132.0	0.10		13.2		13.2	8.0	5.2
GRANITE WASH QQQ	155.0	<0.03		3.8		3.8	3.8	
GRANITE WASH RRR	231.0	0.05		11.6		11.6	8.2	3.4
GRANITE WASH SSS	200.0	0.25		50.0		50.0	14.6	35.4
GRANITE WASH TTT	174.0	<0.03		4.6		4.6	4.6	
GRANITE WASH UUU	111.0	0.20		22.2		22.2	16.2	6.0
GRANITE WASH VVV	106.0	0.15		15.9		15.9	12.2	3.7
GRANITE WASH WWW	222.0	0.15		33.3		33.3	5.8	27.5
GRANITE WASH XXX	180.0	0.10		18.0		18.0	0.9	17.1
GRANITE WASH YYY	66.5	0.15		10.0		10.0	9.7	0.3
GRANITE WASH ZZZ	454.0	0.15		68.1		68.1	30.5	37.6
GRANITE WASH A2A	80.4	<0.02		0.9		0.9	0.9	
GRANITE WASH B2B	40.9	0.20		8.2		8.2	1.1	7.1
GRANITE WASH C2C	193.0	0.15		29.0		29.0	4.2	24.8
GRANITE WASH D2D	63.6	0.25		15.9		15.9	5.5	10.4
GRANITE WASH E2E	132.0	0.20		26.4		26.4	0.6	25.8
GRANITE WASH F2F	109.0	0.25		27.3		27.3	7.0	20.3
GRANITE WASH G2G	321.0	0.25		80.3		80.3	20.9	59.4
GRANITE WASH H2H	44.8	<0.04		1.4		1.4	1.4	
GRANITE WASH I2I	115.0	0.20		23.0		23.0	9.0	14.0
GRANITE WASH J2J	147.0	0.15		22.1		22.1	0.4	21.7
GRANITE WASH K2K	83.0	0.10		8.3		8.3	3.4	4.9
GRANITE WASH L2L	204.0	0.25		51.0		51.0	10.1	40.9
GRANITE WASH M2M	172.0	0.25		43.0		43.0	11.7	31.3
GRANITE WASH N2N	57.5	0.25		14.4		14.4	1.7	12.7
GRANITE WASH O2O	256.0	0.25		64.0		64.0	19.9	44.1
GRANITE WASH P2P	57.0	<0.01		0.5		0.5	0.5	
GRANITE WASH Q2Q	102.0	<0.01		0.1		0.1		0.1
GRANITE WASH R2R	249.0	0.25		62.3		62.3	15.3	47.0
GRANITE WASH S2S	20.0	0.20		4.0		4.0	1.4	2.6
GRANITE WASH T2T	350.0	0.25		87.5		87.5	16.4	71.1
GRANITE WASH U2U	172.0	0.02		3.4		3.4	2.3	1.1
GRANITE WASH V2V	112.0	<0.04		4.2		4.2	4.2	
FIELD TOTAL	61 512.1			9 533.4	368.0	9 901.4	7 369.4	2 532.0
RED ROCK 063-08W6								
CHINOOK A	57.3	<0.01		0.4		0.4	0.4	
CHINOOK G	3 687.0	0.10		369.0		369.0	204.7	164.3

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
32	6.10	0.140	0.20	0.85	64	829	42	15 180	-893.6	1 493.0	1982	90 12 - GPP
64	1.50	0.110	0.38	0.85	64	831	42	15 238	-898.7	1 519.3	1982	84 03 - ABAND 89 02
64	6.94	0.130	0.25	0.86	56	823	42	15 108	-910.9	1 464.9	1983	91 12 - GPP
64	6.70	0.180	0.20	0.86	48	845	49	15 828	-892.9	1 443.3	1981	87 12 - GPP
256	3.37	0.140	0.25	0.86	56	834	42	15 020	-911.9	1 490.7	1982	89 12 - GPP
64	1.71	0.157	0.41	0.85	64	852	42	14 455	-902.4	1 418.8	1984	85 03 - ABAND 86 01
64	5.50	0.150	0.45	0.86	56	843	48	15 031	-909.0	1 493.9	1985	85 05 - GPP
128	3.70	0.140	0.28	0.86	56	830	42	15 103	-904.4	1 453.9	1984	89 12 - GPP
64	3.94	0.203	0.46	0.86	48	825	42	14 834	-906.2	1 435.0	1985	91 12 - GPP
64	3.59	0.170	0.44	0.86	50	842	40	15 821	-877.4	1 395.8	1984	85 08 - GPP
80	0.58	0.132	0.38	0.86	54	835	36	15 706	-909.6	1 413.9	1984	87 12 - ABAND 91 02
96	5.41	0.166	0.29	0.86	56	828	42	14 190	-909.5	1 473.0	1985	86 06 - GPP
64	1.39	0.091	0.45	0.86	47	826	46	15 367	-900.1	1 489.7	1984	91 01 - GPP
64	4.50	0.180	0.19	0.85	64	826	42	14 987	-899.1	1 510.3	1985	85 12 - ABAND 89 07
81	3.50	0.120	0.40	0.86	53	836	36	15 480	-904.8	1 410.4	1985	90 12
64	4.50	0.160	0.35	0.86	56	823	41	15 006	-914.8	1 467.6	1985	86 03
64	6.00	0.100	0.43	0.86	56	801	44	15 209	-941.6	1 517.9	1985	86 11
16	4.50	0.210	0.32	0.86	52	833	38	15 779	-921.7	1 435.0	1985	93 12
32	2.10	0.122	0.44	0.86	56	830	42	14 690	-900.7	1 480.6	1985	86 05 - GPP
64	3.20	0.090	0.50	0.85	64	826	42	14 330	-920.7	1 506.2	1986	86 11
96	3.02	0.140	0.30	0.86	56	823	42	15 520	-908.7	1 466.5	1986	86 09 - GPP
64	3.00	0.119	0.39	0.86	56	825	42	15 765	-898.0	1 495.4	1986	86 06 - ABAND 88 07
64	4.53	0.140	0.29	0.86	56	834	42	14 610	-902.1	1 456.1	1985	86 08 - GPP
128	2.76	0.110	0.43	0.85	56	834	42	13 906	-906.8	1 484.6	1984	88 03 - GPP
64	2.20	0.080	0.18	0.86	56	834	42	14 491	-915.2	1 502.9	1982	86 08
128	5.64	0.140	0.20	0.86	56	834	42	13 930	-863.7	1 441.2	1983	92 09 - ABAND 92 07
96	5.64	0.160	0.23	0.87	48	825	42	14 439	-901.1	1 472.1	1983	86 08 - GPP
64	4.30	0.150	0.20	0.86	56	834	42	14 698	-903.1	1 487.7	1980	86 08 - ABAND 90 10
64	2.30	0.150	0.20	0.86	56	834	42	15 136	-910.0	1 491.5	1983	86 08 - ABAND 88 10
150	5.40	0.150	0.30	0.87	48	825	42	16 002	-906.8	1 452.6	1957	91 12 - GPP
64	4.50	0.117	0.20	0.86	56	825	42	14 759	-903.8	1 515.8	1969	86 09 - ABAND 70 12
64	1.39	0.194	0.40	0.86	70	835	40	15 452	-907.9	1 415.1	1986	86 10 - ABAND 91 02
50	2.83	0.160	0.32	0.86	50	828	45	15 936	-890.4	1 513.0	1987	93 12
64	2.75	0.167	0.38	0.85	45	831	34	15 750	-920.1	1 441.9	1987	87 12 - ABAND 91 02
64	3.60	0.160	0.27	0.86	53	833	36	15 349	-914.7	1 419.6	1985	93 05
64	3.50	0.160	0.35	0.86	64	852	42	14 930	-891.8	1 515.5	1987	88 04 - GPP
64	4.48	0.143	0.50	0.85	57	828	38	15 682	-920.5	1 427.8	1986	88 04 - ABAND 91 02
64	2.30	0.130	0.32	0.85	64	852	42	15 360	-903.2	1 486.0	1988	88 06
64	2.74	0.140	0.49	0.85	64	852	42	15 363	-902.6	1 513.0	1987	88 08 - GPP
64	3.30	0.165	0.25	0.85	64	852	42	14 757	-891.2	1 500.3	1988	88 08 - GPP
64	3.00	0.170	0.35	0.85	64	852	42	14 073	-891.6	1 496.5	1988	88 08 - GPP
64	1.29	0.148	0.36	0.85	48	829	42	16 147	-894.7	1 504.0	1986	87 04 - GPP
64	7.50	0.180	0.30	0.75	51	777	49	15 444	-917.8	1 509.1	1985	91 12
64	1.60	0.165	0.44	0.85	64	852	42	14 656	-907.1	1 471.6	1988	92 10
64	1.00	0.120	0.38	0.86	56	835	56	15 316	-887.7	1 484.9	1988	88 12 - GPP
64	3.90	0.140	0.35	0.85	64	852	42	15 078	-895.1	1 494.9	1988	88 12 - GPP
64	1.50	0.140	0.45	0.86	56	835	42	15 341	-886.3	1 511.0	1988	88 12 - GPP
64	2.50	0.160	0.40	0.86	56	835	42	14 827	-892.8	1 476.8	1988	88 12 - GPP
64	2.40	0.150	0.45	0.86	56	835	42	16 011	-891.7	1 507.6	1988	89 01 - GPP
128	2.21	0.176	0.25	0.86	56	835	42	14 908	-889.1	1 471.4	1988	89 01 - GPP
16	3.90	0.130	0.35	0.85	64	852	42	14 500	-887.9	1 482.0	1988	92 09 - ABAND 92 07
64	2.50	0.160	0.47	0.85	64	852	43	14 194	-889.7	1 502.5	1988	89 02
64	2.60	0.160	0.35	0.85	64	852	42	15 550	-888.4	1 503.5	1988	89 02 - GPP
64	1.85	0.150	0.45	0.85	64	852	42	14 055	-893.3	1 437.4	1966	89 02 - GPP
64	3.98	0.150	0.38	0.86	56	835	42	14 845	-901.5	1 473.1	1988	89 03 - GPP
64	2.95	0.160	0.34	0.86	56	835	42	14 746	-890.7	1 497.9	1988	89 03 - GPP
64	1.20	0.150	0.42	0.86	56	835	42	13 996	-897.4	1 488.0	1988	89 03 - GPP
64	4.67	0.170	0.42	0.87	48	825	42	14 148	-910.2	1 432.3	1988	89 05
32	2.10	0.150	0.35	0.87	48	825	42	14 233	-892.0	1 510.3	1989	91 10 - ABAND 91 07
64	3.10	0.120	0.50	0.86	56	835	42	13 553	-923.0	1 504.3	1989	89 10 - ABAND 92 02
64	4.30	0.160	0.35	0.87	39	822	41	15 573	-921.0	1 440.2	1990	90 08
32	1.60	0.130	0.60	0.75	53	842	51	15 240	-918.0	1 508.7	1991	91 12 - GPP
64	6.56	0.140	0.30	0.85	64	852	42			1 485.9	1992	93 03
64	3.00	0.160	0.35	0.86	48	825	42	14 051	-920.7	1 443.5	1982	93 12 - GPP
16	12.50	0.130	0.50	0.86	52	833	42	6 500	-896.1	1 428.0	1982	83 02 - ABAND 84 10
64	1.80	0.090	0.35	0.85	72	830	47	10 274	-472.1	1 473.0	1979	85 07
2 135	3.43	0.116	0.38	0.70	133	827	46	10 448	-491.0	1 539.8	1986	89 02

TABLE 2-6

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
RED ROCK 063-08W6 (CONTINUED)								
CHINOOK H	120.0	0.10		12.0		12.0	2.8	9.2
FIELD TOTAL	3 864.3			381.4		381.4	207.9	173.5
RED WILLOW 039-16W4								
GLAUCONITIC A	228.0	<0.02		4.5		4.5	4.5	
GLAUCONITIC B	105.0	<0.01		0.2		0.2	0.2	
GLAUCONITIC D	170.0	0.10		17.0		17.0	3.2	13.8
GLAUCONITIC E	223.0	0.05		11.2		11.2	7.5	3.7
LOWER MANNVILLE K	561.0	0.05		28.1		28.1	8.3	19.8
LOWER MANNVILLE L	94.4	0.10		9.4		9.4	0.3	9.1
CAMROSE A	119.0	<0.17		19.2		19.2	19.2	
CAMROSE B	195.0	<0.06		11.1		11.1	11.1	
CAMROSE C	250.0	0.12		30.0		30.0	19.4	10.6
CAMROSE D	67.2	<0.01		0.1		0.1	0.1	
CAMROSE E	96.1	0.10		9.6		9.6	5.6	4.0
CAMROSE F	21.7	0.20		4.3		4.3	1.9	2.4
CAMROSE G	107.0	<0.20		20.7		20.7	20.7	
D-3 A	326.0	<0.01		0.3		0.3	0.3	
FIELD TOTAL	2 563.4			165.7		165.7	102.3	63.4
REDFISH 092-08W5								
KEG RIVER A	109.0	0.15		16.4		16.4	0.4	16.0
FIELD TOTAL	109.0			16.4		16.4	0.4	16.0
REDLAND 027-23W4								
LOWER MANNVILLE B	124.0	0.20		24.8		24.8	19.8	5.0
FIELD TOTAL	124.0			24.8		24.8	19.8	5.0
REDWATER 057-21W4								
UPPER VIKING G	225.0	<0.01		0.1		0.1	0.1	
UP-MID-LOW VIKING A	3 707.0	0.10		371.0		371.0	261.4	109.6
LOWER VIKING B	4 336.0	0.05		217.0		217.0	200.8	16.2
LOWER VIKING H	360.0	0.12		43.2		43.2	35.7	7.5
LOWER VIKING O	520.0	0.05		26.0		26.0	4.1	21.9
LOWER VIKING S	1 874.0	0.05		93.7		93.7	29.3	64.4
UPPER MANNVILLE E	270.0	<0.01		0.3		0.3	0.3	
BASAL MANNVILLE E	253.0	0.17		43.0		43.0	38.8	4.2
BASAL MANNVILLE F	161.0	0.20		32.2		32.2	24.6	7.6
BASAL MANNVILLE H	1 977.0	0.10		198.0		198.0	118.4	79.6
BASAL MANNVILLE I	266.0	<0.01		1.4		1.4	1.4	
BASAL MANNVILLE J	298.0	0.25		74.5		74.5	32.8	41.7
BASAL MANNVILLE R	188.0	<0.01		0.2		0.2	0.2	
BASAL MANNVILLE T	245.0	<0.01		0.2		0.2	0.2	
ELLERSLIE A	103.0	<0.01		0.1		0.1	0.1	
ELLERSLIE B	49.9	<0.02		0.8		0.8	0.8	
ELLERSLIE C	431.0	0.10		43.1		43.1	20.2	22.9
ELLERSLIE D	105.0	0.10		10.5		10.5	6.0	4.5
ELLERSLIE E	76.3	0.10		7.6		7.6	2.8	4.8
ELLERSLIE F	40.8	0.10		4.1		4.1	2.6	1.5
ELLERSLIE G	355.0	<0.06		20.6		20.6	20.6	
ELLERSLIE L	37.1	0.10		3.7		3.7	0.7	3.0
ELLERSLIE M	147.0	0.05		7.4		7.4	0.2	7.2
ELLERSLIE N	176.0	<0.05		7.3		7.3	7.3	
D-3	207 000.0	0.63		130 400.0		130 400.0	127 838.0	2 562.0
FIELD TOTAL	223 201.1			131 606.0		131 606.0	128 647.4	2 958.6
RICH 034-21W4								
VIKING B	153.0	<0.01		0.1		0.1	0.1	
VIKING C	333.0	0.10		33.3		33.3	3.2	30.1
D-2 A	200.0	0.20		40.0		40.0	28.5	11.5
D-3 A	1 333.0	0.45		600.0		600.0	592.9	7.1
WINNIPEGOSIS A	97.2	0.20		19.4		19.4	8.6	10.8
FIELD TOTAL	2 116.2			692.8		692.8	633.3	59.5

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
64	3.85	0.110	0.37	0.70	133	809	44	10 548	-502.5	1 667.2	1987	88 08
64	3.00	0.220	0.35	0.83	71	868	39	8 782	-368.0	1 132.0	1981	82 04 - ABAND 86 10
64	2.00	0.180	0.45	0.83	60	850	47	8 732	-370.7	1 114.7	1981	82 10 - ABAND 90 10
32	4.30	0.220	0.34	0.85	64	852	48	8 232	-345.1	1 140.0	1988	91 12 - GPP
64	3.00	0.180	0.30	0.92	35	875	34	8 289	-349.3	1 146.0	1988	91 07 - GPP
128	3.75	0.200	0.27	0.80	90	850	38	8 527	-351.9	1 146.6	1988	89 05 - GPP
64	1.40	0.200	0.38	0.85	64	852	48	8 284	-363.3	1 152.9	1989	89 11 - GPP
29	9.56	0.053	0.10	0.90	56	890	48	9 768	-544.5	1 333.7	1982	91 12 - ABAND 91 10
64	7.86	0.055	0.12	0.80	59	879	52	9 539	-549.7	1 332.3	1983	91 10 - ABAND 90 07
64	8.30	0.084	0.30	0.80	50	900	38	9 172	-491.2	1 230.6	1984	92 12 - GPP
64	3.75	0.050	0.30	0.80	55	900	38	9 177	-487.1	1 225.6	1985	89 12
32	8.30	0.060	0.33	0.90	36	903	43	9 346	-498.9	1 246.0	1985	86 10 - GPP
64	1.10	0.060	0.43	0.90	36	878	53	9 340	-498.3	1 227.3	1990	90 09
26	10.40	0.058	0.24	0.90	52	887	49	9 773	-546.1	1 344.3	1982	90 12 - ABAND 91 10
64	12.50	0.060	0.15	0.80	35	947	48	9 421	-576.8	1 340.8	1981	84 12 - ABAND 84 07
64	5.40	0.055	0.35	0.88	47	829	40	14 423	-796.4	1 274.7	1987	88 06
115	2.00	0.130	0.50	0.83	58	890	50	11 180	-688.7	1 597.5	1982	93 12 - GPP
64	3.00	0.200	0.35	0.90	36	882	45	5 192	-7.4	631.6	1976	83 12 - ABAND 85 02
1 635	2.26	0.190	0.40	0.88	28	800	27	5 131	-28.2	652.5	1949	83 10 - GPP
1 778	2.63	0.180	0.44	0.92	35	865	28	5 861	-35.6	679.2	1974	89 07 - GPP
268	1.14	0.220	0.42	0.92	37	847	31	4 704	-19.8	648.0	1976	93 12 - GPP
256	2.40	0.180	0.49	0.92	30	872	28	5 693	-55.8	715.7	1984	87 03 - GPP
640	3.98	0.160	0.50	0.92	30	844	28	5 892	-40.7	663.7	1950	88 07 - GPP
64	3.00	0.260	0.40	0.90	44	885	30	6 090	-130.2	754.5	1981	81 09 - GPP
108	1.83	0.200	0.20	0.80	55	843	41	6 732	-307.9	1 021.7	1954	93 07 - GPP
64	1.40	0.250	0.20	0.90	35	850	38	6 682	-287.0	1 014.3	1976	91 12 - GPP
416	3.55	0.240	0.40	0.93	46	925	30	6 053	-229.9	851.9	1977	93 12 - GPP
64	5.50	0.210	0.60	0.90	50	925	43	6 265	-228.2	854.3	1979	83 12 - ABAND 89 05
172	1.36	0.240	0.41	0.90	43	855	30	6 852	-275.1	941.8	1979	93 04 - GPP
16	8.50	0.270	0.45	0.93	30	931	35	6 179	-233.4	866.4	1980	84 12 - ABAND 82 06
32	4.20	0.270	0.25	0.90	33	923	48	6 218	-224.4	848.9	1981	82 11 - GPP
16	3.00	0.300	0.23	0.93	26	948	34	5 803	-196.8	832.1	1982	83 07 - ABAND 83 12
64	0.80	0.200	0.47	0.92	32	880	32	6 838	-293.1	945.9	1984	85 03 - ABAND 88 06
200	2.00	0.210	0.43	0.90	35	855	35	6 805	-331.7	1 011.3	1989	91 06 - GPP
32	1.90	0.270	0.29	0.90	38	921	32	5 337	-185.3	818.6	1981	91 04 - GPP
16	2.50	0.270	0.24	0.93	31	945	31	5 802	-193.2	826.3	1991	92 03 - GPP
16	2.33	0.240	0.43	0.80	27	952	30	5 757	-187.7	821.5	1991	92 05 - GPP
65	4.27	0.200	0.20	0.80	55	850	41	6 517	-306.6	1 021.4	1953	75 12 - ABAND 70 10
32	0.80	0.260	0.38	0.90	38	859	38		-280.6	981.6	1992	93 04 - GPP
16	5.00	0.280	0.27	0.90	40	947	33		-204.0	833.8	1992	93 04 - GPP
94	1.37	0.215	0.25	0.85	55	850	41		-313.5	1 026.1	1955	75 12 - ABAND 60 07
15 199	31.39	0.065	0.25	0.89	33	844	34	7 486	-362.0	983.3	1948	93 12 - GPP
64	4.30	0.107	0.35	0.80	86	873	39	7 324	-448.4	1 292.0	1986	86 12 - ABAND 86 12
128	3.60	0.140	0.40	0.86	46	860	40	6 506	-346.1	1 194.1	1986	89 05
50	7.00	0.080	0.12	0.81	74	865	55	12 960	-857.0	1 683.3	1983	89 12 - GPP
15	103.20	0.110	0.10	0.87	64	857	65	14 417	-991.7	1 817.1	1982	88 12 - GPP
32	7.50	0.060	0.25	0.90	31	916	60	19 038	-1 423.8	2 242.3	1986	87 04 - GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
RICHDALE 030-13W4								
UPPER MANNVILLE F	216.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE G	675.0	0.10		67.5		67.5	45.7	21.8
UPPER MANNVILLE K	131.0	0.07		9.2		9.2	5.7	3.5
UPPER MANNVILLE L	867.0	0.07		60.7		60.7	30.8	29.9
UPPER MANNVILLE S	257.0	0.10		25.7		25.7	5.3	20.4
LOWER MANNVILLE F	116.0	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE O	122.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL *	2 384.0			163.7		163.7	88.1	75.6
RICINUS 034-08W5								
CARDIUM A TOTAL	11 740.0			2 403.0	278.0	2 681.0	2 081.7	599.3
PRIMARY AREA	4 602.0	0.35		1 611.0		1 611.0		
GAS FLOOD AREA	7 137.0	<0.12	0.03	792.0	278.0	1 070.0		
CARDIUM B	850.0	0.20		170.0		170.0	161.8	8.2
CARDIUM C	1 270.0	0.05		63.6		63.6	44.7	18.9
CARDIUM D	535.0	0.25		133.0		133.0	126.5	6.5
CARDIUM E	822.0	0.02		16.4		16.4	5.4	11.0
CARDIUM G	630.0	0.15		94.5		94.5	89.4	5.1
CARDIUM H	1 080.0	0.10		108.0		108.0	89.4	18.6
CARDIUM K	340.0	0.15		51.0		51.0	43.9	7.1
CARDIUM L	2 401.0	0.15		360.0		360.0	241.8	118.2
CARDIUM M	207.0	<0.06		11.3		11.3	11.3	
CARDIUM Q	4 850.0	0.15		728.0		728.0	565.2	162.8
CARDIUM S	1 406.0	0.05		70.3		70.3	50.1	20.2
CARDIUM V	2 153.0	0.10		215.0		215.0	165.0	50.0
CARDIUM W	2 997.0	0.15		450.0		450.0	307.3	142.7
CARDIUM Y	237.0	0.10		23.7		23.7	17.2	6.5
CARDIUM Z	450.0	0.03		13.5		13.5	9.6	3.9
CARDIUM AA	512.0	0.05		25.6		25.6	9.5	16.1
CARDIUM BB	327.0	<0.01		1.9		1.9	1.9	
CARDIUM CC	184.0	0.03		5.5		5.5	1.8	3.7
CARDIUM FF	341.0	<0.03		7.5		7.5	2.7	4.8
CARDIUM GG	241.0	0.06		14.5		14.5	11.8	2.7
CARDIUM II	368.0	0.01		3.7		3.7	0.3	3.4
CARDIUM KK	250.0	0.12		30.0		30.0	28.5	1.5
CARDIUM MM	188.0	0.05		9.4		9.4	7.6	1.8
CARDIUM NN	1 516.0	0.05		75.8		75.8	18.6	57.2
CARDIUM OO	360.0	0.10		36.0		36.0	22.0	14.0
CARDIUM TT	2 400.0	0.10		240.0		240.0	153.5	86.5
CARDIUM UU	269.0	0.05		13.5		13.5	10.1	3.4
CARDIUM VV	159.0	0.10		15.9		15.9	6.6	9.3
CARDIUM WW	147.0	0.05		7.4		7.4	0.6	6.8
CARDIUM XX	600.0	0.05		30.0		30.0	25.3	4.7
CARDIUM ZZ	1 100.0	0.05		55.0		55.0	20.2	34.8
CARDIUM LL & RR	158.0	0.09		14.2		14.2	10.0	4.2
CARDIUM BBB	500.0	0.15		75.0		75.0	42.5	32.5
CARDIUM DDD	291.0	0.10		29.1		29.1	12.0	17.1
CARDIUM GGG	1 700.0	0.05		85.0		85.0	57.7	27.3
CARDIUM HHH	95.8	0.10		9.6		9.6	0.8	8.8
CARDIUM III	115.0	<0.01		0.7		0.7	0.7	
CARDIUM JJJ	185.0	0.20		37.0		37.0	12.8	24.2
CARDIUM KKK	261.0	0.15		39.2		39.2	38.7	0.5
CARDIUM MMM	1 100.0	0.15		165.0		165.0	144.8	20.2
CARDIUM OOO	39.6	0.10		4.0		4.0	0.5	3.5
CARDIUM PPP	200.0	0.08		16.0		16.0	11.1	4.9
CARDIUM RRR	400.0	0.06		24.0		24.0	17.1	6.9
CARDIUM SSS	180.0	0.10		18.0		18.0	11.1	6.9
CARDIUM TTT	208.0	<0.01		1.0		1.0	1.0	
CARDIUM UUU	271.0	0.10		27.1		27.1	16.5	10.6
CARDIUM WWW	63.0	0.10		6.3		6.3	0.6	5.7
FIELD TOTAL	46 697.4			6 034.2	278.0	6 312.2	4 709.2	1 603.0
RINGS 080-05W6								
D-1 A	139.0	0.20		27.8		27.8	13.6	14.2
FIELD TOTAL	139.0			27.8		27.8	13.6	14.2
RIVIERE 055-27W4								
WABAMUN A	424.0	0.03		12.7		12.7	6.2	6.5

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
64	4.30	0.160	0.46	0.91	37	882	37	9 239	-296.9	1 120.5	1981	85 12 - ABAND 89 05
221	3.71	0.190	0.49	0.85	63	852	39	9 109	-313.4	1 112.4	1979	90 02 -
100	1.01	0.220	0.29	0.83	80	855	38	9 279	-298.9	1 117.2	1971	92 12 - GPP
100	7.65	0.230	0.42	0.85	60	847	34	9 286	-311.5	1 109.9	1983	91 12 -
64	6.24	0.180	0.58	0.85	63	824	37	9 421	-304.8	1 115.9	1985	86 11 - GPP
64	1.83	0.170	0.35	0.89	44	865	35	9 506	-315.4	1 150.6	1977	82 12 - ABAND 81 05
64	2.00	0.230	0.50	0.83	68	859	38	9 504	-303.3	1 145.2	1981	88 12 - ABAND 83 02
1 489					226	806	83	27 366	-1 477.0	2 744.3	1969	92 12 - GPP
465	12.75	0.140	0.12	0.63								
1 024	8.98	0.140	0.12	0.63								
94	11.38	0.170	0.27	0.64	250	815	82	27 414	-1 508.0	2 717.8	1969	86 12 - GPP
695	1.83	0.150	0.10	0.74	131	820	72	17 100	-1 111.1	2 450.8	1969	75 08 - GPP
160	5.36	0.120	0.20	0.65	158	815	84	23 825	-1 445.6	2 738.4	1969	89 09 -
444	3.05	0.134	0.13	0.52	323	801	78	26 680	-1 310.0	2 602.1	1970	89 12 - GPP
97	10.10	0.110	0.14	0.68	144	811	71	20 953	-988.0	2 309.9	1970	92 12 - GPP
101	18.74	0.098	0.18	0.71	159	806	60	19 245	-736.2	2 043.2	1970	88 03 - GPP
65	7.80	0.127	0.12	0.60	213	811	78	28 533	-1 445.0	2 679.2	1969	85 12 - GPP
160	17.07	0.140	0.14	0.73	119	815	71	15 385	-783.2	2 043.2	1972	93 01 - GPP
210	2.44	0.075	0.23	0.70	160	811	63	18 438	-713.6	2 005.6	1971	76 12 -
706	8.81	0.120	0.11	0.73	113	815	75	15 929	-1 155.1	2 433.1	1971	88 12 - GPP
128	12.40	0.134	0.13	0.76	230	806	70	15 590	-1 106.6	2 371.7	1974	88 04 - GPP
192	15.10	0.110	0.10	0.75	131	811	49	13 699	-849.3	2 122.6	1975	92 03 -
192	16.30	0.140	0.10	0.76	131	820	49	13 847	-875.7	2 140.1	1974	92 02 -
128	4.45	0.100	0.34	0.63	186	829	66	26 105	-1 472.5	2 758.7	1977	87 08 - GPP
128	4.88	0.120	0.20	0.75	113	825	60	20 848	-1 217.0	2 543.2	1977	85 12 - GPP
64	16.34	0.090	0.20	0.68	167	827	63	21 222	-1 270.9	2 594.0	1977	82 12 - GPP
64	8.94	0.100	0.16	0.68	151	828	60	17 973	-1 111.0	2 434.1	1977	88 12 - GPP
64	5.80	0.094	0.12	0.60	172	825	59	18 222	-1 469.9	2 673.6	1978	82 12 - GPP
64	12.60	0.067	0.17	0.76	113	811	64	15 090	-1 185.6	2 454.5	1981	88 04 - GPP
64	9.40	0.062	0.15	0.76	130	810	66	15 803	-1 247.5	2 495.6	1981	93 12 - GPP
64	9.00	0.090	0.09	0.78	91	806	68	15 432	-1 310.5	2 572.1	1981	93 06 -
97	4.32	0.135	0.31	0.64	250	816	82	27 114	-1 532.9	2 746.0	1969	83 10 - GPP
32	12.00	0.090	0.15	0.64	131	785	72	27 942	-1 534.6	2 762.5	1983	92 08 - GPP
64	29.40	0.115	0.09	0.77	91	806	68	14 062	-1 002.1	2 227.2	1984	88 04 - GPP
128	10.20	0.040	0.09	0.76	91	806	68	14 104	-1 003.7	2 229.5	1984	92 03 - GPP
384	13.66	0.070	0.14	0.76	108	813	64	12 673	-998.8	2 253.8	1985	93 08 - GPP
64	5.60	0.110	0.09	0.75	119	815	71	16 418	-1 240.3	2 512.2	1969	89 12 -
64	4.92	0.097	0.20	0.65	177	819	86	26 228	-1 470.6	2 693.7	1986	87 01 - GPP
64	3.16	0.110	0.15	0.78	91	805	68	26 444	-1 211.5	2 370.0	1986	93 07 -
129	7.02	0.120	0.20	0.69	158	815	84	23 542	-1 455.6	2 764.1	1969	89 09 - GPP
128	12.70	0.110	0.18	0.75	110	806	74	13 592	-1 275.6	2 542.3	1987	93 08 - GPP
64	4.81	0.085	0.15	0.71	160	805	60	18 859	-782.9	2 083.5	1982	86 01 - GPP
23	43.38	0.110	0.33	0.68	188	819	72	19 177	-1 459.4	2 797.3	1987	89 09 -
64	9.10	0.075	0.10	0.74	106	806	63	13 397	-1 240.5	2 503.5	1987	88 07 - GPP
448	9.91	0.060	0.16	0.76	91	806	68	11 151	-867.1	2 098.7	1987	93 08 - GPP
64	3.50	0.090	0.28	0.66	189	813	60	16 082	-1 394.0	2 731.9	1987	89 02 - GPP
64	5.60	0.080	0.15	0.47	363	807	75	25 818	-1 301.9	2 582.1	1982	92 10 -
32	15.80	0.060	0.10	0.68	132	804	72	13 811	-927.4	2 251.5	1988	90 04 -
64	4.57	0.150	0.10	0.66	189	808	60	15 894	-1 369.0	2 650.4	1969	89 05 - GPP
157	19.25	0.070	0.20	0.65	177	819	86	23 962	-1 464.9	2 770.2	1968	89 09 -
64	2.00	0.070	0.15	0.52	323	796	78	27 905	-1 401.4	2 663.9	1989	90 08 -
20	19.02	0.080	0.10	0.73	137	815	68	12 496	-965.8	2 305.6	1989	93 07 - GPP
64	15.10	0.060	0.09	0.76	108	813	64	11 895	-964.8	2 214.1	1988	93 12 - GPP
64	8.84	0.046	0.09	0.76	115	802	58	13 631	-970.4	2 217.3	1981	92 03 -
32	7.62	0.130	0.10	0.73	119	815	71	16 066	-1 164.6	2 511.5	1972	92 09 - GPP
32	11.70	0.110	0.10	0.73	119	815	71	13 881	-1 001.0	2 325.1	1988	92 09 - GPP
64	2.70	0.060	0.20	0.76	240	822	64	24 053	-1 242.1	2 428.3	1985	93 01 -
32	15.30	0.050	0.21	0.72	53	840	77	24 534	-1 582.3	2 181.1	1989	92 11 -
64	7.50	0.200	0.48	0.85	54	894	41	8 396	-546.5	1 236.9	1985	91 12 - GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
RIVIERE 055-27W4 (CONTINUED)								
FIELD TOTAL *	424.0			12.7		12.7	6.2	6.5
ROCKYFORD 026-23W4								
UPPER MANNVILLE C	90.0	0.05		4.5		4.5	2.3	2.2
UPPER MANNVILLE E	301.0	0.13	0.17	39.1	51.2	90.3	25.6	64.7
WATER FLOOD								
UPPER MANNVILLE F	2 600.0	0.25	0.20	650.0	520.0	1 170.0	350.3	819.7
WATER FLOOD								
UPPER MANNVILLE G	147.0	0.10		14.7		14.7	0.5	14.2
LOWER MANNVILLE A	811.0	0.10		81.1		81.1	54.6	26.5
LOWER MANNVILLE F	81.1	0.10		8.1		8.1	1.9	6.2
LOWER MANNVILLE G	322.0	0.03		9.7		9.7	3.4	6.3
FIELD TOTAL	4 352.1			807.2	571.2	1 378.4	438.6	939.8
ROSEBUD 027-21W4								
BLAIRMORE	420.0	0.16		67.2		67.2	64.2	3.0
FIELD TOTAL	420.0			67.2		67.2	64.2	3.0
ROSEVEAR 054-15W5								
SECOND WHITE SPECKS A	914.0	0.10		91.4		91.4	31.6	59.8
FIELD TOTAL	914.0			91.4		91.4	31.6	59.8
ROWLEY 032-20W4								
BELLY RIVER H & LOWER MANNVILLE H	330.0	0.17		56.1		56.1	44.1	12.0
VIKING C	220.0	0.15		33.0		33.0	17.7	15.3
VIKING D	81.2	0.10		8.1		8.1	0.4	7.7
UPPER MANNVILLE D	514.0	0.10		51.4		51.4	25.4	26.0
UPPER MANNVILLE E	1 288.0	0.10		129.0		129.0	86.8	42.2
UPPER MANNVILLE L	108.0	0.01		1.1		1.1	0.4	0.7
UPPER MANNVILLE M	334.0	0.10		33.4		33.4	13.3	20.1
UPPER MANNVILLE N	88.4	0.15		13.2		13.2	3.4	9.8
UPPER MANNVILLE O	360.0	0.10		36.0		36.0	5.8	30.2
LOWER MANNVILLE A	233.0	<0.02		3.9		3.9	3.9	
LOWER MANNVILLE G	179.0	0.10		17.9		17.9	0.1	17.8
LOWER MANNVILLE J	160.0	<0.03		3.4		3.4	3.4	
LOWER MANNVILLE K	181.0	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE P	37.5	0.05		1.9		1.9	0.3	1.6
PEKISKO A	7 213.0	0.05		361.0		361.0	270.5	90.5
PEKISKO B	61.9	<0.01		0.1		0.1	0.1	
PEKISKO D	33.8	<0.01		0.1		0.1	0.1	
BANFF A	77.6	0.10		7.8		7.8	0.1	7.7
FIELD TOTAL	11 500.4			757.8		757.8	476.2	281.6
ROYAL 053-15W4								
MIDDLE VIKING D	41.5	0.05		2.1		2.1	0.8	1.3
MIDDLE VIKING E	110.0	<0.01		0.3		0.3	0.3	
FIELD TOTAL	151.5			2.4		2.4	1.1	1.3
RYCROFT 077-05W6								
GETHING B	144.0	<0.01		0.2		0.2	0.2	
CHARLIE LAKE A TOTAL	2 500.0			250.0	776.0	1 026.0	588.5	437.5
PRIMARY AREA	283.0	0.10		28.3		28.3		
WATER FLOOD AREA	2 217.0	0.10	0.35	222.0	776.0	998.0		
CHARLIE LAKE C TOTAL	607.0			91.1	138.0	229.0	96.5	132.5
PRIMARY AREA	146.0	0.15		21.9		21.9		
WATER FLOOD AREA	461.0	0.15	0.30	69.2	138.0	207.0		
CHARLIE LAKE J	133.0	0.15		20.0		20.0	11.2	8.8
CHARLIE LAKE K	28.6	<0.01		0.1		0.1	0.1	
CHARLIE LAKE M	579.0	0.15		86.9		86.9	34.0	52.9
HALFWAY B	541.0	0.15		81.2		81.2	31.3	49.9
HALFWAY C	4 259.0	0.15	0.22	639.0	937.0	1 576.0	1 157.7	418.3
WATER FLOOD								
HALFWAY D	684.0	0.15		103.0		103.0	27.6	75.4
HALFWAY E	465.0	0.10		46.4		46.4	23.0	23.4

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
32	3.00	0.180	0.35	0.80	54	885	46	10 399	-648.2	1 483.0	1982	91 02 - GPP
95	3.24	0.160	0.29	0.86	69	866	49	10 596	-662.4	1 581.5	1986	93 08 - GPP
360	6.00	0.200	0.30	0.86	69	855	49	10 781	-660.6	1 566.3	1981	92 03 - GPP
32	6.60	0.150	0.46	0.86	75	834	49	10 603	-646.2	1 514.9	1991	92 05
128	6.12	0.190	0.31	0.79	90	879	50	10 757	-654.9	1 508.9	1979	81 11 - GPP
64	1.50	0.160	0.40	0.88	46	891	41	10 643	-672.0	1 535.9	1984	85 10 - GPP
64	7.00	0.160	0.49	0.88	44	884	50	10 933	-699.9	1 619.4	1985	92 12 - GPP
312	1.25	0.173	0.26	0.84	44	876	49	10 079	-553.3	1 415.3	1956	86 12 - GPP
192	10.00	0.070	0.20	0.85	55	821	69	21 608	-922.3	1 818.7	1985	89 06 - GPP
128	1.90	0.210	0.24	0.85	48	870	49	7 575	-515.1	1 350.9	1980	93 09 - GPP
192	1.53	0.150	0.47	0.94	20	825	38	7 399	-361.6	1 201.8	1974	90 10 - GPP
64	1.50	0.150	0.40	0.94	20	825	45	7 384	-360.2	1 204.8	1986	91 12
64	9.20	0.180	0.43	0.85	51	870	40	7 848	-550.2	1 416.9	1987	91 09 - GPP
422	2.82	0.190	0.33	0.85	46	855	53	8 042	-533.1	1 365.7	1964	92 02 - GPP
16	8.60	0.150	0.34	0.79	78	878	59	8 031	-531.9	1 372.6	1990	92 12
115	2.50	0.200	0.30	0.83	62	881	61	8 084	-538.2	1 371.8	1990	92 05
16	5.90	0.170	0.42	0.95	18	939	37	9 992	-483.0	1 315.4	1977	91 07
64	5.90	0.170	0.34	0.85	51	870	40	8 842	-542.6	1 412.4	1987	91 09
16	17.37	0.140	0.25	0.80	51	870	52	9 567	-572.3	1 417.8	1964	92 11 - ABAND 75 02
64	2.40	0.180	0.21	0.82	66	847	53	9 014	-520.0	1 344.8	1976	88 08
64	2.00	0.200	0.24	0.82	60	869	46	9 677	-495.4	1 349.0	1981	92 10
64	3.50	0.170	0.42	0.82	66	864	53	10 252	-518.2	1 371.8	1981	82 12 - ABAND 88 05
16	6.00	0.090	0.47	0.82	66	846	53	9 748	-566.6	1 405.2	1987	92 02 - GPP
1 424	9.32	0.080	0.21	0.86	70	870	50	10 183	-535.7	1 364.0	1960	92 09 - GPP
64	1.50	0.100	0.25	0.86	43	870	49	7 809	-515.2	1 368.3	1981	82 12 - GPP
16	6.20	0.060	0.34	0.86	48	865	52	3 490	-517.1	1 362.2	1990	92 09 - ABAND 92 06
64	5.00	0.060	0.53	0.86	56	876	42		-582.0	1 425.2	1991	91 06 - GPP
64	0.80	0.180	0.50	0.90	40	840	30	4 143	37.2	652.2	1981	93 12 - GPP
128	1.14	0.210	0.55	0.80	40	848	33	3 927	48.3	618.9	1980	89 12
64	3.50	0.120	0.37	0.85	60	811	50	10 738	-594.5	1 234.5	1983	86 12
1 200	1.68	0.139	0.13	0.83	62	889	54	12 859	-734.0	1 376.4	1981	89 01
1 032	2.14	0.139	0.13	0.83								- GPP
454					63	865	54	13 145	-751.5	1 417.1	1982	93 06
128	1.16	0.150	0.22	0.84								
326	1.17	0.182	0.21	0.84								
107	1.50	0.150	0.35	0.85	55	826	54	13 686	-800.5	1 460.8	1983	88 12
16	2.16	0.128	0.23	0.84	63	885	54	12 552	-775.7	1 450.3	1985	92 12 - ABAND 92 08
192	2.93	0.170	0.28	0.84	63	881	54	12 491	-674.7	1 291.0	1987	88 05
192	4.95	0.150	0.52	0.79	93	835	55	13 406	-769.4	1 415.6	1983	86 03 - GPP
1 073	4.44	0.155	0.27	0.79	93	832	55	13 181	-763.3	1 421.0	1984	88 04 - GPP
256	3.55	0.140	0.32	0.79	80	835	45	12 743	-745.7	1 387.1	1982	89 01
64	6.80	0.190	0.33	0.84	93	828	55	12 762	-766.6	1 455.0	1986	88 04

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
RYCROFT 077-05W6 (CONTINUED)								
HALFWAY F	170.0	0.20		34.0		34.0	23.5	10.5
HALFWAY G	61.4	0.15		9.2		9.2	0.4	8.8
HALFWAY H	66.4	0.15		10.0		10.0	4.9	5.1
FIELD TOTAL	10 238.4			1 371.1	1 851.0	3 222.0	1 998.9	1 223.1
SADDLE HILLS 076-08W6								
CHARLIE LAKE A	349.0	0.10		34.9		34.9	21.8	13.1
CHARLIE LAKE B	169.0	0.10		16.9		16.9	3.7	13.2
CHARLIE LAKE D	31.2	<0.01		0.3		0.3	0.3	
CHARLIE LAKE E	123.0	0.10		12.3		12.3	3.8	8.5
HALFWAY A	126.0	0.10		12.6		12.6	1.8	10.8
FIELD TOTAL	798.2			77.0		77.0	31.4	45.6
SAKWATAMAU 063-14W5								
GETHING A	800.0	0.15		120.0		120.0	87.5	32.5
GETHING B	69.4	<0.01		0.1		0.1	0.1	
BELLOY A	500.0	0.35		175.0		175.0	113.6	61.4
BEAVERHILL LAKE A	431.0	0.15		64.7		64.7	19.4	45.3
FIELD TOTAL	1 800.4			359.8		359.8	220.6	139.2
SALT CREEK 075-10W5								
SLAVE POINT A	178.0	0.10		17.8		17.8	2.8	15.0
GILWOOD A	144.0	0.15		21.6		21.6	15.8	5.8
FIELD TOTAL	322.0			39.4		39.4	18.6	20.8
SAMSON 044-24W4								
BLAIRMORE A	1 460.0	<0.03		36.7		36.7	36.7	
FIELD TOTAL	1 460.0			36.7		36.7	36.7	
SAWN LAKE 091-12W5								
SLAVE POINT A	2 200.0	0.10		220.0		220.0	174.0	46.0
SLAVE POINT J TOTAL	10 290.0			392.0	78.9	471.0	315.2	155.8
PRIMARY AREA	8 316.0	0.04		333.0		333.0		
WATER FLOOD AREA	1 973.0	0.03	0.04	59.2	78.9	138.0		
SLAVE POINT K	337.0	0.05		16.9		16.9	11.5	5.4
SLAVE POINT L	132.0	0.15		19.8		19.8	12.5	7.3
SLAVE POINT M	329.0	0.15		49.4		49.4	8.6	40.8
FIELD TOTAL	13 288.0			698.1	78.9	777.1	521.8	255.3
SAXON 061-24W5								
CARDIUM A	112.0	0.10		11.2		11.2	2.7	8.5
FIELD TOTAL	112.0			11.2		11.2	2.7	8.5
SEAL 082-14W5								
SLAVE POINT A	2 254.0	0.45		1 014.0		1 014.0	723.4	290.6
SLAVE POINT B	237.0	0.30		71.1		71.1	52.2	18.9
SLAVE POINT C	505.0	0.02		10.1		10.1	7.6	2.5
SLAVE POINT D	1 382.0	0.35		484.0		484.0	183.9	300.1
SLAVE POINT E	113.0	0.01		1.1		1.1	0.8	0.3
SLAVE POINT F	74.5	0.25		18.6		18.6	12.5	6.1
SLAVE POINT G	321.0	0.35		112.0		112.0	43.3	68.7
SLAVE POINT H	195.0	0.25		48.8		48.8	18.2	30.6
FIELD TOTAL	5 081.5			1 759.7		1 759.7	1 041.9	717.8
SEIU LAKE 025-18W4								
LOWER MANNVILLE G	776.0	0.05		38.8		38.8	13.8	25.0
LOWER MANNVILLE J	116.0	0.05		5.8		5.8	5.8	
PEKISKO A	107.0	0.10		10.7		10.7	2.4	8.3
FIELD TOTAL	999.0			55.3		55.3	22.0	33.3
SENEX 092-04W5								
SLAVE POINT A	84.2	0.10		8.4		8.4	4.6	3.8

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
128	2.19	0.126	0.39	0.79	93	827	55	13 715	-795.3	1 455.8	1987	93 12
64	1.73	0.130	0.46	0.79	93	828	55	11 850	-735.1	1 371.6	1989	89 11
64	1.20	0.150	0.27	0.79	93	827	55	12 743	-764.1	1 410.1	1990	91 07
192	1.44	0.200	0.19	0.78	91	845	72	15 663	-941.9	1 749.5	1981	85 07 - GPP
64	2.40	0.170	0.17	0.78	91	845	72	15 622	-939.9	1 757.4	1984	85 07
64	0.59	0.129	0.20	0.80	70	835	70	14 413	-944.6	1 724.4	1982	92 10
64	2.20	0.124	0.10	0.78	91	833	72	17 957	-970.9	1 934.1	1987	87 12 - GPP
64	4.82	0.090	0.37	0.72	120	816	58	19 679	-1 034.6	1 860.2	1989	89 01 - GPP
318	2.42	0.180	0.27	0.79	142	892	61	13 269	-762.8	1 728.1	1975	85 10 - GPP
65	1.43	0.120	0.25	0.83	142	892	59	13 180	-767.7	1 664.4	1975	82 12 - ABAND 91 02
311	1.73	0.170	0.28	0.76	105	800	72	14 610	-900.2	1 795.3	1984	92 03 - GPP
64	19.12	0.068	0.19	0.64	224	825	109	27 697	-1 890.4	2 801.0	1988	89 07
64	8.24	0.075	0.50	0.90	32	851	55	14 930	-1 195.9	1 789.6	1985	86 08 - GPP
64	4.29	0.096	0.30	0.78	103	839	60	18 437	-1 211.5	1 804.0	1966	89 12 - GPP
324	3.99	0.186	0.25	0.81	50	887	60	10 921	-663.8	1 461.0	1953	83 12 - GPP
480	8.89	0.075	0.21	0.87	57	822	38	13 251	-793.7	1 595.1	1983	92 12
2 644					57	822	38	13 678	-812.7	1 605.8	1983	92 06
2 154	10.04	0.068	0.35	0.87								- GPP
490	10.33	0.070	0.36	0.87								- GPP
64	14.61	0.061	0.32	0.87	46	828	39	13 622	-814.2	1 629.5	1985	85 12 - GPP
64	5.72	0.066	0.38	0.88	44	829	37	12 114	-833.0	1 629.0	1985	86 03 - GPP
64	11.10	0.075	0.29	0.87	44	831	45	13 025	-828.8	1 628.8	1985	85 12 - GPP
64	2.40	0.140	0.35	0.80	82	833	58	13 237	-640.2	1 686.3	1977	81 10 - GPP
562	7.79	0.082	0.27	0.86	42	830	68	16 087	-804.1	1 805.9	1974	92 12 - GPP
192	4.72	0.055	0.46	0.88	39	830	54	18 394	-1 135.2	1 829.3	1985	88 01 - GPP
189	6.20	0.070	0.30	0.88	39	824	54	17 523	-1 097.8	1 784.7	1987	91 12
256	10.94	0.066	0.16	0.89	35	818	52	17 654	-1 091.7	1 797.4	1985	87 12 - GPP
16	13.60	0.079	0.25	0.88	39	825	54	17 518	-1 114.3	1 809.0	1987	92 08
64	2.70	0.062	0.21	0.88	39	825	54	17 529	-1 115.4	1 816.6	1987	91 12 - GPP
138	3.74	0.092	0.25	0.90	39	825	54	16 673	-1 091.5	1 804.7	1991	93 12 - GPP
65	5.47	0.078	0.22	0.90	39	825	54	16 433	-1 095.6	1 817.2	1991	93 12 - GPP
128	6.29	0.180	0.37	0.85	66	857	38	9 366	-461.5	1 366.0	1979	82 12 - GPP
32	3.05	0.200	0.30	0.85	74	844	47	10 340	-446.8	1 377.7	1960	69 05 - ABAND 68 10
32	5.00	0.120	0.33	0.83	67	846	43	6 429	-475.3	1 416.5	1990	92 06 - GPP
16	13.41	0.082	0.45	0.87	57	835	30	10 030	-555.0	1 044.9	1986	93 12

TABLE 2-6

FIELD POOL	1	3		5			6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL			
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	
SENEX 092-04W5 (CONTINUED)									
KEG RIVER N & SLAVE POINT B	247.0	0.10		24.7		24.7	8.7	16.0	
KEG RIVER A	1 890.0	0.05		94.5		94.5	40.8	53.7	
KEG RIVER B	1 367.0	0.25		342.0		342.0	155.8	186.2	
KEG RIVER D	368.0	0.10		36.8		36.8	21.3	15.5	
KEG RIVER E	310.0	0.15		46.5		46.5	23.8	22.7	
KEG RIVER H	172.0	0.04		6.9		6.9	4.9	2.0	
KEG RIVER I	839.0	0.20		168.0		168.0	59.0	109.0	
KEG RIVER J	303.0	0.25		75.8		75.8	55.0	20.8	
KEG RIVER K	194.0	0.25		48.5		48.5	17.5	31.0	
KEG RIVER L	221.0	0.15		33.2		33.2	2.0	31.2	
KEG RIVER M	358.0	0.25		89.5		89.5	19.7	69.8	
KEG RIVER O	185.0	0.02		3.7		3.7	0.9	2.8	
KEG RIVER P	273.0	0.20		54.6		54.6	22.7	31.9	
KEG RIVER Q	222.0	0.25		55.5		55.5	36.8	18.7	
KEG RIVER R	537.0	0.10		53.7		53.7	20.9	32.8	
KEG RIVER S	328.0	0.20		65.6		65.6	21.0	44.6	
KEG RIVER T	156.0	0.15		23.4		23.4	3.0	20.4	
KEG RIVER U	348.0	0.15		52.2		52.2	17.4	34.8	
KEG RIVER V	204.0	0.05		10.2		10.2	4.0	6.2	
KEG RIVER W	137.0	0.25		34.3		34.3	6.3	28.0	
KEG RIVER Y	74.4	0.10		7.4		7.4	0.4	7.0	
KEG RIVER Z	166.0	0.15		24.9		24.9	0.9	24.0	
KEG RIVER AA	112.0	0.05		5.6		5.6	2.6	3.0	
KEG RIVER BB	85.7	0.15		12.9		12.9	0.8	12.1	
KEG RIVER CC	89.5	0.10		9.0		9.0	0.5	8.5	
KEG RIVER C & X	1 965.0	0.25		491.0		491.0	178.5	312.5	
FIELD TOTAL	11 235.8			1 878.8		1 878.8	729.8	1 149.0	
SHADOW 074-18W5									
GILWOOD A	447.0	0.30		134.0		134.0	81.6	52.4	
GILWOOD B	265.0	0.30		79.5		79.5	43.8	35.7	
GILWOOD C	756.0	0.25		189.0		189.0	77.1	111.9	
GILWOOD D	384.0	0.25		96.0		96.0	39.1	56.9	
GILWOOD E	167.0	0.35		58.5		58.5	48.7	9.8	
GILWOOD F	245.0	0.30		73.5		73.5	50.2	23.3	
GILWOOD G	201.0	0.25		50.3		50.3	16.7	33.6	
GILWOOD H	716.0	0.30		215.0		215.0	89.3	125.7	
GILWOOD I	118.0	0.25		29.5		29.5	3.5	26.0	
GILWOOD J	368.0	0.04		14.7		14.7	10.3	4.4	
GILWOOD K	145.0	0.25		36.3		36.3	25.4	10.9	
GILWOOD L	90.9	0.10		9.1		9.1	5.5	3.6	
GILWOOD M	91.8	<0.06		4.9		4.9	4.9		
GILWOOD N	58.3	0.10		5.8		5.8	4.5	1.3	
GILWOOD O	127.0	0.20		25.4		25.4	12.9	12.5	
GILWOOD P	38.3	0.15		5.7		5.7	2.5	3.2	
GILWOOD Q	197.0	0.25		49.3		49.3	25.7	23.6	
GILWOOD R	77.3	<0.01		0.1		0.1	0.1		
GILWOOD S	151.0	0.20		30.2		30.2	8.7	21.5	
GILWOOD T	109.0	0.03		3.3		3.3	3.3		
GRANITE WASH A	222.0	0.15		33.3		33.3	18.8	14.5	
FIELD TOTAL	4 974.6			1 143.4		1 143.4	572.6	570.8	
SHANE 077-02W6									
KISKATINAW A	67.2	0.10		6.7		6.7	4.5	2.2	
WABAMUN A	65.5	0.25		16.4		16.4	1.8	14.6	
WABAMUN B	51.9	0.05		2.6		2.6	0.7	1.9	
WABAMUN C	64.2	0.35		22.5		22.5	4.7	17.8	
FIELD TOTAL	248.8			48.2		48.2	11.7	36.5	
SHEKILIE 118-08W6									
MUSKEG A	95.3	<0.18		16.3		16.3	16.3		
MUSKEG C	233.0	<0.03		5.9		5.9	5.9		
MUSKEG D	280.0	<0.01		0.7		0.7	0.7		
MUSKEG E	213.0	<0.01		0.8		0.8	0.8		
MUSKEG F	110.0	<0.10		10.7		10.7	10.7		
MUSKEG G	120.0	0.20		24.0		24.0	16.8	7.2	
MUSKEG I	75.0	0.35		26.3		26.3	11.1	15.2	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
32	17.18	0.080	0.39	0.92	27	830	36	13 198	-762.1	1 262.8	1987	91 12 - GPP
512	9.15	0.067	0.30	0.86	55	829	31	13 493	-673.8	1 266.3	1969	88 06 - GPP
448	4.81	0.100	0.31	0.92	27	831	35	13 558	-706.4	1 279.9	1985	87 11 - GPP
64	14.30	0.067	0.31	0.87	42	831	49	13 798	-708.0	1 271.5	1985	91 12 - GPP
192	6.28	0.054	0.44	0.85	55	829	31	13 576	-691.2	1 241.4	1986	87 03 - GPP
64	7.07	0.071	0.37	0.85	55	829	31	12 331	-681.8	1 212.5	1986	92 09 - GPP
192	8.51	0.099	0.39	0.85	55	830	37	13 464	-693.5	1 258.8	1986	88 04 - GPP
64	12.60	0.064	0.31	0.85	55	829	31	13 527	-705.8	1 266.6	1987	87 05 - GPP
64	6.58	0.077	0.35	0.92	30	832	35	13 259	-714.5	1 297.0	1987	87 11 - GPP
64	8.55	0.068	0.30	0.85	55	837	31	12 296	-655.9	1 222.7	1986	87 05 - GPP
163	4.56	0.080	0.30	0.86	55	830	31	11 985	-629.6	1 250.7	1986	93 07 - GPP
32	6.20	0.139	0.27	0.92	27	830	36	13 247	-685.7	1 257.6	1987	88 01 - GPP
128	3.90	0.090	0.34	0.92	27	830	36	13 122	-684.4	1 259.5	1987	88 02 - GPP
64	7.80	0.062	0.22	0.92	27	829	36	13 336	-692.1	1 233.5	1987	88 05 - GPP
100	11.58	0.070	0.28	0.92	30	834	40	13 134	-673.4	1 237.3	1987	88 03 - GPP
128	5.30	0.090	0.39	0.88	47	829	40	12 860	-700.9	1 269.6	1987	88 03 - GPP
64	5.40	0.090	0.41	0.85	55	829	31	12 262	-681.0	1 242.8	1987	88 03 - GPP
163	4.39	0.080	0.34	0.92	30	829	35	12 419	-643.8	1 257.1	1987	93 07 - GPP
64	9.07	0.059	0.30	0.85	55	829	31	12 035	-676.1	1 286.9	1970	88 06 - GPP
64	6.08	0.059	0.30	0.85	55	829	31	12 296	-660.8	1 249.4	1969	88 06 - GPP
64	2.40	0.100	0.43	0.85	55	829	31	13 089	-683.0	1 245.4	1987	89 03 - GPP
64	6.90	0.063	0.35	0.92	27	830	36	12 066	-682.4	1 237.8	1988	89 04 - GPP
64	4.20	0.060	0.18	0.85	55	834	31	12 317	-687.3	1 226.2	1988	89 08 - GPP
32	7.30	0.070	0.43	0.92	31	835	35	13 122	-664.4	1 270.8	1987	92 05 - GPP
50	4.70	0.070	0.36	0.85	55	829	31		-814.0	1 358.3	1992	93 04 - GPP
576	5.94	0.096	0.32	0.88	27	828	35	13 856	-705.3	1 284.1	1985	91 07 - GPP
128	3.90	0.148	0.32	0.89	24	833	83	25 443	-1 753.3	2 371.5	1985	88 08 - GPP
128	2.59	0.130	0.31	0.89	36	840	86	25 298	-1 736.9	2 344.3	1985	87 07 - GPP
256	3.65	0.140	0.35	0.89	23	833	72	25 697	-1 775.7	2 372.7	1985	88 05 - GPP
128	3.06	0.162	0.32	0.89	36	840	86	25 763	-1 773.9	2 379.7	1985	87 09 - GPP
64	2.97	0.130	0.24	0.89	36	838	78	25 396	-1 739.6	2 350.9	1984	93 12 - GPP
64	4.50	0.129	0.26	0.89	26	843	78	25 397	-1 746.5	2 352.4	1984	85 01 - GPP
64	4.05	0.116	0.25	0.89	23	832	86	23 536	-1 747.5	2 346.7	1987	87 09 - GPP
320	3.55	0.120	0.39	0.86	30	840	75	24 445	-1 752.3	2 388.9	1956	88 10 - GPP
64	2.41	0.143	0.40	0.89	26	813	81	26 061	-1 813.7	2 417.9	1987	87 12 - GPP
128	3.65	0.170	0.48	0.89	36	837	84	24 420	-1 736.3	2 345.1	1987	91 12 - GPP
64	2.48	0.160	0.36	0.89	36	835	75	22 935	-1 729.5	2 335.8	1988	91 01 - GPP
32	3.23	0.152	0.35	0.89	36	835	86	24 418	-1 712.8	2 351.8	1988	91 12 - GPP
64	2.29	0.110	0.36	0.89	36	843	86	25 377	-1 720.0	2 354.0	1986	92 03 - ABAND 91 01
64	1.45	0.116	0.37	0.86	30	840	75	24 585	-1 738.4	2 350.9	1987	89 06 - GPP
32	3.50	0.180	0.29	0.89	36	835	86	25 302	-1 769.0	2 373.3	1988	91 12 - GPP
64	1.20	0.110	0.49	0.89	24	848	82	24 517	-1 757.3	2 360.1	1988	86 08 - GPP
64	3.50	0.150	0.32	0.86	72	838	70	21 486	-1 755.6	2 364.5	1988	89 06 - GPP
64	1.57	0.144	0.40	0.89	36	835	86	23 407	-1 703.2	2 341.5	1988	89 06 - ABAND 90 02
64	2.24	0.160	0.26	0.89	36	835	86	24 140	-1 742.0	2 348.1	1988	89 06 - GPP
32	4.00	0.120	0.20	0.89	36	835	86	24 022	-1 765.1	2 371.9	1989	92 08 - ABAND 92 05
64	5.81	0.139	0.50	0.86	39	846	87	24 966	-1 703.9	2 344.6	1986	91 12 - GPP
64	1.25	0.160	0.30	0.75	128	815	70	14 453	-884.1	1 473.9	1977	77 12 - GPP
64	4.00	0.040	0.20	0.80	70	852	68	25 792	-1 642.9	2 317.0	1985	87 05 - GPP
16	14.70	0.040	0.31	0.80	72	859	75	15 242	-1 571.1	2 205.5	1989	93 12 - GPP
32	8.90	0.040	0.32	0.83	62	849	61	26 842	-1 769.5	2 439.3	1990	90 12 - GPP
31	5.79	0.089	0.11	0.67	155	811	83	17 809	-1 201.9	1 746.7	1971	75 03 - ABAND 92 12
64	7.60	0.084	0.15	0.67	135	811	83	13 683	-1 178.6	1 664.7	1981	86 12 - GPP
64	10.50	0.075	0.17	0.67	155	810	83	12 239	-1 201.7	1 739.0	1983	86 12 - GPP
64	7.80	0.070	0.13	0.70	155	810	83	17 200	-1 192.0	1 701.4	1983	86 12 - GPP
27	8.37	0.074	0.06	0.70	145	826	75	18 270	-1 151.0	1 767.2	1984	92 10 - GPP
19	11.40	0.092	0.13	0.70	120	834	76	17 093	-1 171.2	1 787.4	1984	86 01 - GPP
9	14.39	0.092	0.10	0.70	153	838	68	17 142	-1 124.4	1 751.5	1985	87 11 - GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
SHEKILIE 118-08W6 (CONTINUED)								
MUSKEG J	66.4	0.20		13.3		13.3	10.0	3.3
MUSKEG K	59.2	0.25		14.8		14.8	8.2	6.6
MUSKEG H & KEG RIVER PP	264.0	0.15		39.6		39.6	37.4	2.2
KEG RIVER A	504.0	0.27		136.0		136.0	133.1	2.9
KEG RIVER B	455.0	<0.15		67.4		67.4	67.4	
KEG RIVER C	636.0	0.25		159.0		159.0	141.1	17.9
KEG RIVER D	493.0	0.40		197.0		197.0	161.0	36.0
KEG RIVER E	159.0	<0.07		9.6		9.6	9.6	
KEG RIVER F	246.0	<0.19		45.1		45.1	45.1	
KEG RIVER G	150.0	0.40		60.0		60.0	40.8	19.2
KEG RIVER H	121.0	0.25		30.3		30.3	26.0	4.3
KEG RIVER I	229.0	0.05		11.4		11.4	11.1	0.3
KEG RIVER J	388.0	0.30		116.0		116.0	99.9	16.1
KEG RIVER K	272.0	0.15		40.8		40.8	32.3	8.5
KEG RIVER L	465.0	0.20		93.0		93.0	30.2	62.8
KEG RIVER M	700.0	0.04		28.0		28.0	26.9	1.1
KEG RIVER N	50.0	<0.15		7.3		7.3	7.3	
KEG RIVER O	539.0	<0.02		10.1		10.1	10.1	
KEG RIVER P	754.0	<0.03		22.5		22.5	22.5	
KEG RIVER Q	500.0	0.30		150.0		150.0	80.5	69.5
KEG RIVER R	350.0	0.15		52.5		52.5	20.0	32.5
KEG RIVER S	41.2	<0.19		7.5		7.5	7.5	
KEG RIVER T	450.0	0.10		45.0		45.0	38.9	6.1
KEG RIVER U	250.0	0.35		87.5		87.5	75.3	12.2
KEG RIVER V	151.0	0.40		60.4		60.4	51.7	8.7
KEG RIVER W	299.0	0.20		59.8		59.8	58.3	1.5
KEG RIVER X	94.1	0.30		28.2		28.2	14.1	14.1
KEG RIVER Y	600.0	0.25		150.0		150.0	131.7	18.3
KEG RIVER Z	470.0	0.15		70.5		70.5	50.4	20.1
KEG RIVER AA	70.6	<0.18		12.3		12.3	12.3	
KEG RIVER BB	139.0	0.08		11.1		11.1	7.8	3.3
KEG RIVER CC	270.0	0.35		94.5		94.5	63.1	31.4
KEG RIVER EE	200.0	0.35		70.0		70.0	37.3	32.7
KEG RIVER FF	167.0	<0.01		1.7		1.7	1.7	
KEG RIVER GG	320.0	0.15		48.0		48.0	40.0	8.0
KEG RIVER HH	146.0	<0.02		1.9		1.9	1.9	
KEG RIVER II	205.0	<0.02		3.7		3.7	3.7	
KEG RIVER JJ	98.5	<0.06		5.1		5.1	5.1	
KEG RIVER KK	190.0	<0.06		10.7		10.7	10.7	
KEG RIVER LL	190.0	0.20		38.0		38.0	26.1	11.9
KEG RIVER MM	153.0	<0.13		19.1		19.1	19.1	
KEG RIVER NN	200.0	0.25		50.0		50.0	31.8	18.2
KEG RIVER OO	340.0	0.20		68.0		68.0	45.1	22.9
KEG RIVER QQ	795.0	0.40		318.0		318.0	288.0	30.0
KEG RIVER RR	210.0	0.20		42.0		42.0	35.5	6.5
KEG RIVER SS	175.0	0.05		8.8		8.8	7.2	1.6
KEG RIVER TT	530.0	0.10		53.0		53.0	36.9	16.1
KEG RIVER UU	400.0	0.10		40.0		40.0	21.6	18.4
KEG RIVER VV	250.0	0.15		37.5		37.5	19.2	18.3
KEG RIVER WW	306.0	0.15		45.9		45.9	34.8	11.1
KEG RIVER XX	45.0	<0.10		4.4		4.4	4.4	
KEG RIVER YY	300.0	0.10		30.0		30.0	16.4	13.6
KEG RIVER ZZ	700.0	0.05		35.0		35.0	13.6	21.4
KEG RIVER AAA	500.0	0.15		75.0		75.0	58.7	16.3
KEG RIVER BBB	450.0	0.05		22.5		22.5	4.8	17.7
KEG RIVER CCC	500.0	0.05		25.0		25.0	17.7	7.3
KEG RIVER DDD	300.0	0.05		15.0		15.0	10.6	4.4
KEG RIVER EEE	500.0	0.07		35.0		35.0	27.3	7.7
KEG RIVER FFF	325.0	<0.01		0.9		0.9	0.9	
KEG RIVER GGG	595.0	0.02		11.9		11.9	7.5	4.4
KEG RIVER HHH	200.0	0.05		10.0		10.0	4.6	5.4
KEG RIVER III WATER FLOOD	142.0	0.30	0.17	42.6	24.1	66.7	47.3	19.4
KEG RIVER JJJ	206.0	<0.01		0.4		0.4	0.4	
KEG RIVER KKK	450.0	<0.02		8.7		8.7	8.7	
KEG RIVER LLL	300.0	0.20		60.0		60.0	28.6	31.4
KEG RIVER MMM	330.0	0.20		66.0		66.0	34.2	31.8
KEG RIVER NNN	130.0	0.03		3.9		3.9	2.3	1.6
KEG RIVER OOO	325.0	0.25		81.3		81.3	63.5	17.8
KEG RIVER PPP	100.0	0.15		15.0		15.0	10.8	4.2

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
16	12.50	0.050	0.20	0.83	52	849	83	15 952	-1 145.2	1 764.2	1977	90 12 - GPP
32	4.00	0.065	0.11	0.80	66	841	88	20 368	-1 128.9	1 761.3	1986	90 12 - GPP
55	7.92	0.090	0.09	0.74	93	876	70	14 821	-1 208.0	1 817.3	1982	93 05 - GPP
13	66.95	0.094	0.12	0.70	132	839	83	17 896	-1 194.5	1 701.7	1970	91 12 - GPP
12	60.62	0.100	0.08	0.68	151	820	81	17 600	-1 186.6	1 756.6	1971	82 12 - ABAND 87 08
26	39.97	0.100	0.10	0.68	170	839	83	18 405	-1 185.4	1 727.6	1971	90 12 - GPP
15	94.49	0.065	0.15	0.63	176	820	79	18 690	-1 204.6	1 728.2	1971	71 12 - GPP
5	59.04	0.095	0.10	0.63	191	806	79	20 003	-1 197.1	1 754.6	1972	74 12 - GPP
5	113.39	0.073	0.14	0.69	138	825	84	18 668	-1 230.3	1 747.9	1972	88 07 - GPP
6	38.16	0.107	0.10	0.68	106	834	83	18 784	-1 251.0	1 801.8	1974	87 12 - GPP
9	30.44	0.070	0.10	0.70	132	828	80	15 391	-1 185.7	1 776.5	1979	90 12 - GPP
16	28.40	0.090	0.20	0.70	120	834	83	18 033	-1 219.0	1 715.8	1979	90 12 - GPP
64	15.00	0.070	0.15	0.68	150	825	74	15 392	-1 181.9	1 765.5	1979	91 12 - GPP
25	24.40	0.075	0.15	0.70	132	819	83	16 395	-1 201.7	1 722.0	1980	86 12 - GPP
16	49.20	0.090	0.18	0.80	138	823	86	16 043	-1 258.6	1 805.3	1980	92 12 - GPP
11	93.60	0.100	0.15	0.80	132	834	83	16 644	-1 247.8	1 779.0	1980	90 12 - GPP
12	7.00	0.090	0.15	0.78	142	814	81	14 892	-1 167.9	1 747.6	1980	82 01
11	90.00	0.080	0.15	0.80	126	825	85	17 458	-1 253.8	1 777.0	1980	84 12 - ABAND 88 02
16	99.02	0.080	0.15	0.70	124	825	86	15 990	-1 235.8	1 752.8	1980	86 12 - GPP
11	64.73	0.120	0.14	0.68	122	835	93	14 975	-1 205.5	1 714.0	1981	83 12 - GPP
10	75.70	0.080	0.15	0.68	143	820	50	18 385	-1 205.1	1 750.5	1981	83 06 - GPP
7	28.00	0.040	0.25	0.70	115	835	87	16 188	-1 277.2	1 832.0	1981	83 12
12	68.90	0.080	0.15	0.80	140	826	86	18 708	-1 272.1	1 759.3	1980	90 12 - GPP
11	39.70	0.100	0.17	0.69	140	826	86	19 965	-1 274.9	1 765.7	1980	82 01
16	17.60	0.090	0.15	0.70	150	825	83	17 823	-1 195.1	1 685.8	1979	86 12 - GPP
29	31.90	0.070	0.32	0.68	176	845	83	20 851	-1 234.7	1 751.7	1980	84 12 - GPP
11	28.30	0.060	0.30	0.72	95	845	82	17 641	-1 229.2	1 747.4	1981	83 12 - GPP
28	85.04	0.050	0.20	0.63	151	810	82	20 492	-1 203.9	1 795.7	1980	87 11 - GPP
17	63.20	0.067	0.13	0.75	135	830	68	17 496	-1 197.0	1 797.6	1969	91 02 - GPP
16	15.00	0.060	0.30	0.70	138	833	69	15 532	-1 279.9	1 817.5	1981	88 12 - GPP
9	51.00	0.050	0.15	0.71	113	825	82	15 692	-1 229.2	1 712.5	1981	92 12 - GPP
9	63.02	0.080	0.15	0.70	138	826	80	17 159	-1 231.0	1 721.8	1982	84 05 - GPP
11	41.80	0.080	0.20	0.68	130	835	95	16 062	-1 268.2	1 828.6	1982	84 06
4	55.85	0.120	0.12	0.71	132	834	83	14 350	-1 200.1	1 765.6	1983	92 11
16	38.00	0.090	0.14	0.68	113	834	74	17 017	-1 255.5	1 814.0	1983	85 12 - GPP
16	15.30	0.100	0.15	0.70	138	826	80	18 937	-1 229.0	1 728.4	1983	86 12 - ABAND 87 09
16	31.50	0.070	0.17	0.70	138	826	80	16 513	-1 248.0	1 741.3	1983	88 12
15	11.00	0.090	0.16	0.79	180	831	63	16 168	-1 168.0	1 760.9	1983	85 10 - ABAND 87 10
16	24.50	0.080	0.11	0.68	146	821	83	11 453	-1 275.1	1 818.7	1984	89 12 - GPP
8	46.50	0.085	0.09	0.66	133	818	70	20 027	-1 168.7	1 783.0	1984	91 12 - GPP
16	32.20	0.050	0.15	0.70	130	838	49	15 226	-1 131.2	1 755.0	1983	91 12 - GPP
12	32.50	0.090	0.10	0.63	111	824	76	19 899	-1 143.2	1 763.5	1983	89 12 - GPP
28	34.68	0.059	0.14	0.69	133	816	89	19 790	-1 176.6	1 789.7	1983	87 03
30	56.02	0.073	0.10	0.72	119	845	70	17 195	-1 131.1	1 741.6	1971	77 05
4	42.00	0.180	0.10	0.77	112	870	82	19 190	-1 201.0	1 840.0	1983	89 12 - GPP
5	67.00	0.080	0.15	0.77	96	845	71	18 152	-1 151.1	1 784.5	1983	91 12 - GPP
12	63.30	0.120	0.17	0.70	130	830	49	16 748	-1 154.0	1 783.8	1983	89 12 - GPP
8	93.80	0.090	0.20	0.74	146	827	83	13 968	-1 195.8	1 829.0	1983	86 07 - GPP
17	24.80	0.100	0.14	0.69	130	824	98	19 367	-1 261.0	1 824.8	1984	88 03
13	46.92	0.086	0.19	0.72	80	826	80	15 756	-1 186.0	1 671.9	1984	92 08
6	33.08	0.041	0.21	0.70	138	826	80	17 139	-1 238.5	1 735.1	1984	88 12 - GPP
19	20.30	0.120	0.10	0.72	120	835	56	17 959	-1 133.8	1 760.0	1984	89 12 - GPP
18	56.40	0.110	0.13	0.72	105	803	85	18 711	-1 144.9	1 776.3	1985	89 12 - GPP
11	80.20	0.095	0.11	0.67	151	808	91	18 582	-1 231.2	1 768.5	1985	90 12
15	46.90	0.100	0.20	0.80	74	845	82	17 086	-1 155.7	1 786.8	1985	89 12 - GPP
15	101.10	0.054	0.15	0.72	118	840	60	18 112	-1 171.5	1 810.5	1985	86 04 - GPP
7	98.80	0.070	0.14	0.72	113	840	64	15 644	-1 207.7	1 838.1	1985	90 12 - GPP
11	66.50	0.113	0.16	0.72	114	840	61	17 917	-1 227.0	1 862.0	1985	86 06 - GPP
16	45.30	0.075	0.12	0.68	150	820	82	16 383	-1 207.5	1 789.2	1985	85 08 - ABAND 93 03
10	87.00	0.095	0.10	0.80	74	834	82	21 549	-1 172.5	1 804.2	1985	91 12 - GPP
8	65.10	0.080	0.20	0.60	195	820	60	11 610	-1 162.4	1 788.2	1985	89 12 - GPP
4	79.00	0.069	0.12	0.74	167	835	62	19 522	-1 161.4	1 777.8	1985	88 03 - GPP
16	34.50	0.066	0.18	0.69	130	808	98	14 848	-1 207.1	1 776.3	1985	86 09 - ABAND 87 05
13	76.94	0.079	0.15	0.67	151	830	91	15 851	-1 175.4	1 780.2	1986	87 10 - ABAND 87 11
10	46.09	0.103	0.11	0.71	120	845	71	15 134	-1 114.2	1 723.5	1985	91 12 - GPP
14	46.19	0.086	0.14	0.69	130	826	72	18 250	-1 134.7	1 756.7	1985	86 05
10	33.24	0.076	0.17	0.62	153	830	76	16 293	-1 158.4	1 785.5	1985	93 12 - GPP
11	46.70	0.099	0.18	0.78	153	811	76	13 694	-1 140.1	1 760.1	1986	87 08
14	11.67	0.100	0.15	0.72	133	841	70	18 889	-1 162.0	1 784.9	1982	87 07

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
SHEKILIE 118-08W6 (CONTINUED)								
KEG RIVER Q00	384.0	0.06		23.0		23.0	15.9	7.1
KEG RIVER SSS	400.0	<0.05		16.3		16.3	16.3	
KEG RIVER TTT	207.0	0.10		20.7		20.7	15.4	5.3
KEG RIVER UUU	500.0	0.30	0.15	150.0	75.0	225.0	181.3	43.7
WATER FLOOD								
KEG RIVER VVV	250.0	0.05		12.5		12.5	9.8	2.7
KEG RIVER WWW	23.4	<0.04		0.9		0.9	0.9	
KEG RIVER XXX	86.6	0.20		17.3		17.3	4.0	13.3
KEG RIVER YYY	720.0	0.10		72.0		72.0	64.9	7.1
KEG RIVER ZZZ	239.0	0.25		59.8		59.8	23.0	36.8
KEG RIVER A2A	433.0	0.10		43.3		43.3	24.8	18.5
KEG RIVER B2B	200.0	0.10		20.0		20.0	15.5	4.5
KEG RIVER C2C	203.0	0.20		40.6		40.6	18.6	22.0
KEG RIVER D2D	34.0	0.40		13.6		13.6	13.2	0.4
KEG RIVER E2E	168.0	<0.01		0.5		0.5	0.5	
KEG RIVER F2F	120.0	0.30		36.0		36.0	32.4	3.6
KEG RIVER G2G	140.0	0.31		43.4		43.4	27.5	15.9
KEG RIVER H2H	31.0	0.20		6.2		6.2	0.1	6.1
KEG RIVER I2I	1 815.0	0.30		545.0		545.0	53.3	491.7
KEG RIVER J2J	690.0	0.20		138.0		138.0	19.8	118.2
KEG RIVER K2K	239.0	0.30		71.7		71.7	8.2	63.5
KEG RIVER L2L	165.0	0.30		49.5		49.5	4.4	45.1
KEG RIVER M2M	311.0	0.30		93.3		93.3	10.3	83.0
KEG RIVER N2N	228.0	0.30		68.4		68.4		68.4
FIELD TOTAL	30 222.3			4 961.2	99.1	5 060.3	3 182.0	1 878.3
SHELDON 073-22W5								
GILWOOD A	81.9	<0.01		0.2		0.2	0.2	
FIELD TOTAL	81.9			0.2		0.2	0.2	
SHOAL 082-07W5								
GRANITE WASH A	150.0	0.20		30.0		30.0	11.8	18.2
FIELD TOTAL	150.0			30.0		30.0	11.8	18.2
SHOULDICE 020-23W4								
BOW ISLAND A	78.6	<0.01		0.3		0.3	0.3	
GLAUCONITIC B	29.7	<0.01		0.2		0.2	0.2	
GLAUCONITIC E	500.0	0.20	0.03	100.0	15.0	115.0	113.4	1.6
WATER FLOOD								
GLAUCONITIC G	1 250.0	0.15		188.0		188.0	138.1	49.9
GLAUCONITIC H	351.0	<0.01		2.8		2.8	2.8	
GLAUCONITIC I	400.0	0.19		76.0		76.0	71.4	4.6
GLAUCONITIC J	200.0	0.10		20.0		20.0	15.4	4.6
GLAUCONITIC K	145.0	0.20		29.0		29.0	16.2	12.8
GLAUCONITIC M	1 000.0	0.10		100.0		100.0	34.5	65.5
GLAUCONITIC N	405.0	0.05		20.3		20.3	10.4	9.9
ELLERSLIE A	61.2	<0.04		1.9		1.9	1.9	
ELLERSLIE B	41.4	0.05		2.1		2.1	0.2	1.9
ELLERSLIE C	767.0	0.15		115.0		115.0	80.3	34.7
ELLERSLIE E	172.0	<0.01		0.7		0.7	0.7	
ELLERSLIE F	137.0	0.15		20.6		20.6	0.4	20.2
ELLERSLIE G	45.6	0.15		6.8		6.8	3.2	3.6
ELLERSLIE J	317.0	0.05		15.9		15.9	0.1	15.8
ELLERSLIE M	56.6	0.20		11.3		11.3	1.5	9.8
ELLERSLIE N	13.5	0.20		2.7		2.7	0.5	2.2
ELLERSLIE O	71.6	0.15		10.7		10.7	0.3	10.4
ELLERSLIE P	211.0	0.06		12.7		12.7	10.9	1.8
ELLERSLIE Q	58.9	0.10		5.9		5.9	0.6	5.3
FIELD TOTAL	6 312.1			742.9	15.0	757.9	503.3	254.6
SIMONETTE 063-26W5								
DUNVEGAN A	1 920.0	0.10		192.0		192.0	178.8	13.2
DUNVEGAN B	109.0	<0.01		0.2		0.2	0.2	
DUNVEGAN F	73.0	0.05		3.7		3.7	1.5	2.2
BLUESKY A	62.8	0.10		6.3		6.3	4.3	2.0
GETHING B	313.0	0.10		31.3		31.3	21.8	9.5
GETHING C	126.0	0.02		2.5		2.5	1.9	0.6

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
16	55.00	0.074	0.17	0.71	149	815	88	15 026	-1 250.8	1 798.5	1987	91 12 - GPP
11	42.83	0.144	0.12	0.67	153	848	76	18 045	-1 135.4	1 757.5	1987	92 03 - ABAND 91 10
16	47.50	0.042	0.10	0.72	133	838	70	17 913	-1 208.8	1 829.3	1987	89 12 - GPP
11	93.18	0.079	0.13	0.71	133	838	70	16 772	-1 167.0	1 766.5	1986	88 07 - GPP
15	48.35	0.057	0.16	0.72	133	838	70	16 707	-1 169.5	1 775.3	1986	87 07 - GPP
16	7.70	0.040	0.29	0.67	153	840	76	19 938	-1 209.0	1 825.9	1987	91 09 - ABAND 91 03
16	19.00	0.050	0.15	0.67	153	838	76	15 406	-1 122.3	1 745.6	1987	92 02 - GPP
12	85.36	0.110	0.10	0.71	132	834	83	14 544	-1 202.4	1 706.2	1987	92 08
12	32.00	0.093	0.13	0.77	153	849	76	16 671	-1 117.9	1 740.0	1988	89 03
8	75.37	0.120	0.12	0.68	151	821	82	16 234	-1 251.1	1 792.8	1988	92 12 - GPP
4	60.63	0.132	0.12	0.71	132	834	83	16 226	-1 250.0	1 793.0	1988	93 12 - GPP
10	25.80	0.120	0.17	0.79	80	837	80	16 095	-1 272.2	1 800.3	1988	93 12 - GPP
1	57.00	0.120	0.30	0.71	133	838	70	17 074	-1 256.4	1 776.7	1988	93 03 - GPP
11	28.80	0.080	0.14	0.77	96	845	71	14 506	-1 115.4	1 731.8	1989	93 10 - ABAND 93 02
3	35.20	0.180	0.11	0.71	132	834	83	14 327	-1 242.0	1 747.0	1989	93 05
5	39.10	0.120	0.16	0.71	106	834	82	15 544	-1 240.6	1 750.0	1989	93 04
16	7.00	0.050	0.23	0.72	133	838	70	15 633	-1 212.9	1 735.5	1989	90 06 - GPP
57	56.00	0.090	0.11	0.71	131	840	82	16 173	-1 191.0	1 758.6	1990	93 11
24	44.00	0.100	0.14	0.76	106	833	82	12 328	-1 246.9	1 801.5	1991	92 04
21	47.50	0.040	0.19	0.74	218	865	85	12 812	-1 272.1	1 771.8	1991	92 06
23	15.00	0.090	0.22	0.68	151	820	82	17 297	-1 172.1	1 767.6	1989	92 06 - GPP
32	25.00	0.070	0.24	0.73	120	734	80	15 104	-1 181.8	1 678.5	1992	93 03
26	24.70	0.060	0.19	0.73	117	829	86	14 750	-1 149.0	1 747.5	1992	93 06
64	1.60	0.165	0.43	0.85	43	842	94	29 388	-2 117.0	2 854.2	1987	89 12
119	1.70	0.110	0.27	0.92	54	832	50	16 898	-1 027.4	1 646.6	1982	89 01 - GPP
64	1.50	0.150	0.40	0.91	32	847	40	7 824	-358.3	1 393.0	1984	84 09 - ABAND 84 03
64	0.60	0.140	0.35	0.85	59	871	42	13 599	-599.5	1 623.5	1982	83 02 - ABAND 91 07
64	5.13	0.230	0.16	0.79	92	849	39	13 628	-598.8	1 651.0	1975	93 12 - GPP
121	8.98	0.210	0.25	0.73	120	824	46	13 413	-640.0	1 643.1	1981	89 10 - GPP
64	5.76	0.172	0.30	0.79	98	813	42	12 800	-651.7	1 624.5	1986	92 10
72	4.45	0.210	0.25	0.79	98	838	45	13 227	-606.0	1 666.5	1987	93 04
64	2.47	0.200	0.20	0.79	98	813	42	13 219	-617.8	1 657.6	1981	89 06 - GPP
64	1.80	0.210	0.24	0.79	98	813	43	13 410	-661.1	1 661.8	1987	91 12 - GPP
128	7.36	0.184	0.27	0.79	110	850	42	12 571	-632.1	1 654.0	1988	89 06
128	2.51	0.210	0.24	0.79	98	813	42	13 569	-571.7	1 472.6	1989	93 10 - GPP
64	1.60	0.120	0.40	0.83	46	838	40	13 384	-628.0	1 658.0	1981	83 02 - ABAND 86 02
32	1.50	0.160	0.35	0.83	66	859	44	14 584	-709.3	1 717.3	1981	91 02 - GPP
488	1.94	0.160	0.39	0.83	96	854	40	13 960	-651.9	1 586.9	1972	93 12 - GPP
64	4.50	0.120	0.40	0.83	66	873	51	14 514	-653.0	1 679.8	1982	86 12 - ABAND 85 06
64	2.30	0.190	0.41	0.83	125	850	65	13 441	-616.3	1 684.0	1987	87 08
64	1.20	0.130	0.45	0.83	83	839	45	12 326	-636.0	1 596.0	1980	89 03 - GPP
64	8.20	0.140	0.48	0.83	83	839	45	12 303	-612.1	1 542.6	1989	90 03
64	1.00	0.150	0.29	0.83	83	839	45	13 634	-650.2	1 544.4	1991	91 08
32	0.80	0.130	0.51	0.83	83	838	45	13 624	-629.6	1 601.1	1991	91 11 - GPP
32	3.00	0.140	0.35	0.82	83	839	45	14 746	-659.2	1 548.6	1991	91 12
64	3.39	0.170	0.35	0.88	48	844	49	14 133	-692.9	1 712.5	1976	92 07 - GPP
64	1.90	0.110	0.45	0.80	84	854	55	12 095	-630.2	1 546.1	1980	93 06
384	7.22	0.130	0.35	0.82	77	822	61	13 463	-968.4	1 987.7	1980	87 02 - GPP
64	3.30	0.098	0.36	0.82	70	822	61	13 659	-985.3	1 927.0	1980	83 12 - ABAND 82 11
64	2.80	0.087	0.35	0.72	97	825	61	13 580	-974.1	1 881.4	1983	92 12
64	1.45	0.123	0.14	0.64	199	822	83	20 324	-1 464.5	2 416.3	1986	87 05 - GPP
230	1.86	0.130	0.12	0.64	199	822	83	22 745	-1 475.7	2 442.5	1978	84 05
64	3.50	0.120	0.23	0.61	323	773	79	26 451	-1 666.3	2 881.2	1981	91 12

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
SIMONETTE 063-26W5 (CONTINUED)								
NORDEGG A	833.0	0.10		83.3		83.3	28.6	54.7
WABAMUN C	1 513.0	<0.02		29.3		29.3	29.3	
D-3 TOTAL	18 000.0			6 192.0	72.0	6 264.0	6 137.0	127.0
PRIMARY AREA	16 800.0	0.34		5 712.0		5 712.0		
SOLVENT FLOOD AREA	1 200.0	0.40	0.06	480.0	72.0	552.0		
D-3 B	526.0	0.12		63.1		63.1	52.2	10.9
D-3 C	871.0	0.60		523.0		523.0	264.2	258.8
D-3 D	890.0	0.50		445.0		445.0	22.1	422.9
FIELD TOTAL	25 236.8			7 571.7	72.0	7 643.7	6 741.9	901.8
SIMONETTE NORTH 064-25W5								
WABAMUN A	395.0	<0.02		4.3		4.3	4.3	
FIELD TOTAL	395.0			4.3		4.3	4.3	
SINCLAIR 075-12W6								
DOE CREEK B	1 379.0	0.10		138.0		138.0	34.2	103.8
DOE CREEK C	129.0	0.10		12.9		12.9	2.6	10.3
DOE CREEK D	2 633.0	0.10		263.0		263.0	137.8	125.2
DOE CREEK H	50.7	0.10		5.1		5.1	4.4	0.7
DOE CREEK I & J	277.0	0.05		13.8		13.8	7.4	6.4
FIELD TOTAL	4 468.7			432.8		432.8	186.4	246.4
SKARO 057-19W4								
COOKING LAKE	571.0	0.10		57.1		57.1	48.0	9.1
FIELD TOTAL	571.0			57.1		57.1	48.0	9.1
SLAVE 084-14W5								
SLAVE POINT H	5 080.0	0.30		1 524.0		1 524.0	992.7	531.3
SLAVE POINT L	1 360.0	0.30		408.0		408.0	154.1	253.9
SLAVE POINT N	313.0	0.05		15.6		15.6	10.8	4.8
SLAVE POINT O	339.0	<0.02		4.1		4.1	4.1	
SLAVE POINT P	31.3	<0.01		0.1		0.1	0.1	
SLAVE POINT Q	125.0	0.09		11.3		11.3	11.3	
SLAVE POINT R	103.0	<0.01		0.9		0.9	0.9	
SLAVE POINT S	3 915.0	0.30		1 175.0		1 175.0	770.2	404.8
SLAVE POINT T	410.0	0.08		32.8		32.8	21.7	11.1
SLAVE POINT U	141.0	<0.02		1.6		1.6	1.6	
SLAVE POINT V	172.0	<0.01		0.1		0.1	0.1	
SLAVE POINT X	92.5	0.10		9.3		9.3	8.0	1.3
SLAVE POINT Z	32.0	0.01		0.3		0.3	0.3	
SLAVE POINT AA	290.0	0.25		72.5		72.5	36.0	36.5
SLAVE POINT BB	134.0	<0.02		2.0		2.0	2.0	
SLAVE POINT CC	278.0	<0.06		15.1		15.1	15.1	
GRANITE WASH B	45.5	0.20		9.1		9.1	4.9	4.2
GRANITE WASH D	46.8	0.15		7.0		7.0	6.3	0.7
GRANITE WASH E	91.8	<0.05		4.1		4.1	4.1	
GRANITE WASH F	100.0	0.25		25.0		25.0	11.7	13.3
FIELD TOTAL	13 099.9			3 317.9		3 317.9	2 056.0	1 261.9
SNIPER LAKE 071-18W5								
BEAVERHILL LAKE	31 050.0			3 730.0	8 680.0	12 410.0	9 401.3	3 008.7
TOTAL								
PRIMARY AREA	52.0	0.19		9.9		9.9		
WATER FLOOD AREA	31 000.0	0.12	0.28	3 720.0	8 680.0	12 400.0		
BEAVERHILL LAKE B	130.0	0.20		26.0		26.0	22.7	3.3
GILWOOD A	91.2	0.25		22.8		22.8	8.2	14.6
FIELD TOTAL	31 271.2			3 778.8	8 680.0	12 458.8	9 432.2	3 026.6
SOUNDING 030-09W4								
UPPER MANNVILLE D	215.0	0.05		10.8		10.8	2.7	8.1
FIELD TOTAL	215.0			10.8		10.8	2.7	8.1

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
32	22.00	0.150	0.17	0.95	19	902	83	28 790	-1 523.5	2 408.1	1988	88 12
64	44.50	0.100	0.17	0.64	172	825	96	33 001	-2 455.0	3 354.2	1964	84 02 - ABAND 93 02
3 136					552	792	105	35 752	-2 657.0	3 537.5	1958	93 12 - GPP
2 992	28.37	0.062	0.16	0.38								
144	42.11	0.062	0.16	0.38								
64	28.60	0.090	0.16	0.38	552	793	95	32 900	-2 685.4	3 545.0	1982	93 12 - GPP
100	39.90	0.080	0.12	0.31	555	788	105	36 016	-2 673.8	3 550.0	1985	92 12 - GPP
179	19.40	0.080	0.11	0.36	516	788	106	35 929	-2 742.5	3 579.8	1992	93 03
65	10.67	0.120	0.27	0.65	160	835	93	30 591	-2 253.2	3 090.2	1974	77 05 - ABAND 78 05
446	2.27	0.210	0.31	0.94	38	837	28	4 579	43.7	788.8	1984	93 12
64	2.80	0.150	0.40	0.80	84	861	32	6 769	-270.4	1 086.0	1978	86 02 - GPP
512	3.89	0.178	0.21	0.94	70	822	35	7 615	-113.1	928.2	1986	88 02 - GPP
64	0.98	0.136	0.34	0.90	37	837	36	6 324	-147.3	954.0	1987	87 09 - GPP
128	2.12	0.170	0.36	0.94	19	831	38	6 949	-198.2	991.6	1987	90 08 - GPP
96	5.26	0.180	0.31	0.91	28	860	41	8 566	-487.1	1 120.8	1951	93 12 - GPP
832	10.08	0.085	0.19	0.88	32	827	50	17 319	-1 059.5	1 743.5	1982	85 08 - GPP
320	5.33	0.108	0.17	0.89	32	827	50	16 932	-1 042.0	1 670.7	1984	86 04 - GPP
64	8.70	0.085	0.29	0.93	12	825	56	16 364	-1 080.2	1 790.8	1985	85 11 - GPP
64	8.00	0.095	0.25	0.93	44	820	55	17 400	-1 078.0	1 799.6	1984	87 12 - ABAND 89 03
64	1.31	0.060	0.33	0.93	12	825	56	16 847	-1 086.9	1 803.1	1985	86 03
128	3.18	0.057	0.42	0.93	12	825	56	17 201	-1 074.2	1 791.9	1985	93 03 - ABAND 92 11
64	6.05	0.060	0.48	0.85	12	830	56	16 139	-1 067.7	1 772.6	1985	89 12 - ABAND 88 10
1 209	6.07	0.081	0.26	0.89	32	827	50	17 454	-1 042.3	1 702.1	1980	87 10 - GPP
128	8.63	0.057	0.26	0.88	39	847	54	15 972	-1 069.2	1 791.0	1985	91 12
64	5.68	0.062	0.29	0.88	39	840	54	16 200	-1 074.9	1 797.5	1985	86 05 - ABAND 89 09
64	5.00	0.090	0.32	0.88	36	823	50	16 372	-1 048.3	1 690.4	1986	86 08
64	5.24	0.055	0.43	0.88	36	823	55	15 323	-1 041.7	1 743.8	1986	91 12 - GPP
16	3.80	0.080	0.26	0.89	32	820	50	15 259	-1 053.8	1 713.1	1987	92 12 - GPP
192	2.90	0.080	0.27	0.89	32	825	50	16 478	-1 042.0	1 715.4	1987	88 05
64	5.09	0.063	0.26	0.88	36	818	50	16 079	-1 079.5	1 795.4	1986	92 03 - ABAND 91 10
100	5.39	0.069	0.16	0.89	32	825	50	16 643	-1 051.2	1 705.3	1987	93 05 - ABAND 93 03
64	2.00	0.070	0.41	0.86	40	825	68	17 750	-1 070.0	1 782.5	1985	86 03 - GPP
16	2.80	0.150	0.18	0.85	46	835	69	16 979	-1 059.6	1 753.7	1985	92 09 - GPP
64	1.80	0.120	0.19	0.82	62	835	69	17 033	-1 056.9	1 764.0	1985	93 10 - ABAND 93 03
112	1.51	0.110	0.40	0.90	14	834	43	16 039	-1 047.5	1 717.3	1987	88 12
7 237					59	839	88	26 428	-1 837.4	2 628.5	1962	93 12 - GPP
64	2.00	0.067	0.27	0.83								
7 173	10.49	0.068	0.27	0.83								
64	3.40	0.095	0.24	0.83	53	829	66	26 397	-1 833.7	2 652.8	1985	85 08
64	1.84	0.150	0.42	0.89	36	834	86	24 120	-1 844.9	2 653.9	1987	88 05 - GPP
64	2.10	0.250	0.29	0.90	39	873	33	6 750	-152.7	919.6	1971	85 06 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE 10 ³ m ³	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 10 ³ m ³	REMAINING ESTABLISHED RESERVES 10 ³ m ³
		PRIMARY frac	ENHANCED frac	PRIMARY 10 ³ m ³	ENHANCED 10 ³ m ³	TOTAL 10 ³ m ³		
SOUSA 113-04W6								
SULPHUR POINT A	79.7	<0.01		0.3		0.3	0.3	
KEG RIVER A	281.0	0.10		28.1		28.1	13.3	14.8
KEG RIVER B	140.0	<0.03		3.9		3.9	3.9	
KEG RIVER C	308.0	0.05		15.4		15.4	10.3	5.1
KEG RIVER D	1 390.0	0.06		83.4		83.4	77.6	5.8
KEG RIVER E	250.0	0.20		50.0		50.0	25.0	25.0
KEG RIVER F	891.0	0.10		89.1		89.1	76.4	12.7
KEG RIVER G	356.0	<0.01		1.9		1.9	1.9	
KEG RIVER H	396.0	0.15		59.4		59.4	48.8	10.6
KEG RIVER I	60.5	<0.04		2.3		2.3	2.3	
KEG RIVER J	256.0	<0.01		0.3		0.3	0.3	
KEG RIVER K	108.0	0.25		27.0		27.0	3.3	23.7
KEG RIVER L	32.9	<0.01		0.1		0.1	0.1	
KEG RIVER M	124.0	0.10		12.4		12.4	6.8	5.6
KEG RIVER N	160.0	0.30		48.0		48.0	10.6	37.4
KEG RIVER O	70.0	0.04		2.8		2.8	2.8	
KEG RIVER P	276.0	<0.01		0.4		0.4	0.4	
KEG RIVER Q	67.9	0.20		13.6		13.6	12.5	1.1
KEG RIVER R	179.0	0.05		9.0		9.0	4.5	4.5
KEG RIVER S	121.0	0.25		30.3		30.3	1.4	28.9
KEG RIVER T	180.0	0.30		54.0		54.0	21.4	32.6
KEG RIVER U	74.0	0.30		22.2		22.2	0.4	21.8
FIELD TOTAL	5 801.0			553.9		553.9	324.3	229.6
SPIRIT RIVER 078-07W6								
DOE CREEK F	890.0	0.02		17.8		17.8	5.9	11.9
GETHING A	69.4	<0.01		0.1		0.1	0.1	
GETHING C	579.0	0.15		86.9		86.9	8.1	78.8
GETHING D	125.0	<0.01		1.0		1.0	1.0	
BALDONNEL A	171.0	<0.01		0.5		0.5	0.5	
CHARLIE LAKE D	240.0	0.10		24.0		24.0	11.0	13.0
CHARLIE LAKE F	54.8	<0.01		0.3		0.3	0.3	
CHARLIE LAKE J	61.8	0.30		18.5		18.5	14.9	3.6
CHARLIE LAKE L	119.0	0.10		11.9		11.9	1.6	10.3
CHARLIE LAKE G,H & I	135.0	0.10		13.5		13.5	6.4	7.1
CHARLIE LAKE E & M	1 980.0	0.15		297.0		297.0	133.9	163.1
CHARLIE LAKE K & L	7 186.0			1 222.0	1 252.0	2 474.0	1 774.7	699.3
HALFWAY F TOTAL								
PRIMARY AREA	227.0	0.17		38.6		38.6		
WATER FLOOD AREA	6 959.0	0.17	0.18	1 183.0	1 252.0	2 435.0		
FIELD TOTAL	11 611.0			1 693.5	1 252.0	2 945.5	1 958.4	987.1
SPRING COULEE 004-23W4								
SECOND WHITE SPECKS A	250.0	0.05		12.5		12.5	0.7	11.8
RUNDLE	413.0	0.05		20.7		20.7	14.6	6.1
FIELD TOTAL	663.0			33.2		33.2	15.3	17.9
ST ALBERT-BIG LAKE 053-26W4								
BASAL QUARTZ I	62.3	0.11		6.9		6.9	6.9	
D-1 A	254.0	<0.17		41.3		41.3	41.3	
D-1 D	1 800.0	0.12		216.0		216.0	157.7	58.3
D-1 E	299.0	0.05		15.0		15.0	3.0	12.0
D-2 A	500.0	0.65		325.0		325.0	293.1	31.9
D-2 B	83.8	0.06		5.0		5.0	3.8	1.2
D-3 A	3 700.0	0.65		2 405.0		2 405.0	2 229.3	175.7
D-3 B	1 516.0	0.60		910.0		910.0	895.9	14.1
FIELD TOTAL	8 215.1			3 924.2		3 924.2	3 631.0	293.2
STANDOFF 007-25W4								
RUNDLE A	223.0	0.04		8.9		8.9	8.2	0.7
FIELD TOTAL	223.0			8.9		8.9	8.2	0.7
STANMORE 029-11W4								
UPPER MANNVILLE B	288.0	0.15		43.2		43.2	21.7	21.5

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
16	17.83	0.046	0.25	0.81	74	876	72	14 155	-1 080.0	1 414.4	1968	93 06 - ABAND 93 03
22	33.22	0.060	0.20	0.80	80	839	74	15 320	-1 203.1	1 540.5	1969	92 03 - GPP
11	55.84	0.037	0.30	0.88	30	839	70	15 086	-1 159.1	1 494.4	1967	92 10
16	84.70	0.037	0.31	0.89	32	834	75	15 025	-1 150.0	1 484.1	1968	90 11 - GPP
74	66.63	0.045	0.28	0.87	39	844	80	15 285	-1 176.0	1 508.5	1969	85 12 - GPP
16	29.53	0.075	0.15	0.83	62	849	71	15 019	-1 162.5	1 495.3	1970	85 12
47	49.82	0.054	0.19	0.87	39	844	80	15 571	-1 194.1	1 527.2	1970	84 12 - GPP
16	53.28	0.060	0.20	0.87	39	844	80	15 678	-1 210.7	1 543.5	1970	92 11 - ABAND 90 02
25	64.11	0.040	0.29	0.87	39	844	80	15 294	-1 193.2	1 526.7	1970	93 07 - GPP
11	49.01	0.020	0.37	0.89	32	829	75	14 885	-1 155.4	1 488.5	1970	82 12 - ABAND 81 02
15	70.01	0.040	0.30	0.87	57	849	80	15 333	-1 225.0	1 559.7	1970	81 05 - ABAND 90 03
64	30.30	0.010	0.36	0.87	39	848	80	14 369	-1 165.4	1 500.1	1985	86 05
16	55.00	0.010	0.57	0.87	39	875	80	15 755	-1 182.0	1 515.5	1986	93 06 - ABAND 93 03
37	16.70	0.032	0.28	0.87	39	843	80	14 933	-1 187.6	1 520.0	1986	88 03
25	51.40	0.022	0.35	0.87	39	843	80	15 361	-1 187.8	1 520.5	1986	88 03 - GPP
33	25.30	0.016	0.32	0.77	95	843	80	14 829	-1 169.1	1 502.0	1986	88 05 - ABAND 90 02
16	63.30	0.040	0.22	0.87	39	843	80	15 413	-1 206.9	1 540.3	1987	91 10 - ABAND 91 03
16	61.50	0.013	0.39	0.87	39	854	80	15 490	-1 201.1	1 535.3	1985	91 12 - GPP
64	34.00	0.017	0.45	0.88	32	860	68	14 752	-1 159.7	1 490.5	1986	90 12 - GPP
64	63.30	0.010	0.66	0.88	32	834	75	15 148	-1 177.6	1 513.2	1986	88 05
22	59.00	0.020	0.21	0.88	32	835	75	14 657	-1 178.5	1 514.5	1990	93 07
16	21.60	0.030	0.18	0.87	39	843	80	15 114	-1 183.9	1 520.0	1991	92 09 - GPP
256	2.37	0.230	0.30	0.91	38	850	25	1 619	407.1	305.8	1987	92 12 - GPP
64	1.70	0.150	0.50	0.85	66	809	20	10 998	-581.2	1 388.7	1981	83 04 - ABAND 85 06
64	9.20	0.170	0.32	0.85	53	842	48	10 736	-548.4	1 267.8	1991	92 04
32	4.20	0.170	0.27	0.75	86	846	63	11 277	-679.7	1 624.9	1982	93 09 - GPP
64	4.42	0.130	0.38	0.75	100	810	52	12 382	-737.3	1 456.9	1984	85 07 - ABAND 85 10
64	3.00	0.200	0.20	0.78	88	839	69	14 264	-822.7	1 661.7	1980	80 12 - GPP
64	2.00	0.090	0.42	0.82	60	830	70	13 573	-845.8	1 627.0	1983	88 12 - ABAND 89 12
100	0.67	0.146	0.23	0.82	64	834	66	12 565	-750.6	1 473.9	1983	87 12
64	3.50	0.090	0.21	0.75	107	837	62	13 632	-806.1	1 596.6	1988	88 08
128	2.06	0.100	0.39	0.84	67	826	62	13 003	-831.3	1 592.2	1980	85 07
1 344	1.67	0.135	0.14	0.76	67	830	62	13 855	-808.4	1 568.2	1980	89 10
1 557					100	837	59	13 353	-758.1	1 435.3	1983	90 05 - GPP
86	2.55	0.160	0.19	0.80								
1 471	4.62	0.160	0.20	0.80								
64	4.70	0.130	0.20	0.80	80	829	38	14 548	-200.0	1 293.1	1990	90 09
331	2.83	0.070	0.25	0.84	46	855	56	10 281	-565.0	1 831.9	1950	93 07 - GPP
32	1.52	0.200	0.20	0.80	62	850	47	9 474	-483.7	1 160.7	1952	75 12 - ABAND 71 07
110	5.85	0.058	0.20	0.85	70	849	53	9 575	-604.6	1 260.3	1957	83 12 - GPP
150	29.41	0.080	0.40	0.85	70	851	54	9 371	-553.0	1 220.2	1953	91 12 - GPP
64	14.40	0.080	0.50	0.81	53	861	50	9 416	-555.3	1 226.4	1984	89 12 - GPP
130	16.50	0.034	0.22	0.88	71	844	55	10 746	-679.2	1 335.0	1956	82 12
64	2.69	0.070	0.21	0.88	70	839	55	10 486	-654.7	1 320.3	1952	93 11 - GPP
101	43.21	0.110	0.06	0.82	62	849	58	11 317	-802.9	1 458.5	1956	82 12 - GPP
106	19.80	0.098	0.09	0.81	73	855	58	11 136	-763.8	1 429.4	1952	92 09 - GPP
64	14.50	0.050	0.40	0.80	84	802	52	22 369	-1 310.9	2 338.8	1980	92 06 - GPP
65	3.71	0.195	0.32	0.90	42	876	38	8 939	-254.9	1 037.0	1970	92 11 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
STANMORE 029-11W4 (CONTINUED)								
UPPER MANNVILLE G	181.0	0.05		9.1		9.1	6.3	2.8
UPPER MANNVILLE P	1 730.0	0.05		86.4		86.4	41.4	45.0
UPPER MANNVILLE W	36.5	<0.02		0.5		0.5	0.5	
UPPER MANNVILLE Y	168.0	0.10		16.8		16.8	3.3	13.5
UPPER MANNVILLE AA	398.0	0.06		23.9		23.9	19.0	4.9
UPPER MANNVILLE DD	396.0	0.05		19.8		19.8	5.3	14.5
UPPER MANNVILLE EE	59.6	0.05		3.0		3.0	0.8	2.2
LOWER MANNVILLE F	97.0	0.12		11.6		11.6	10.5	1.1
LOWER MANNVILLE H	114.0	0.10		11.4		11.4	7.1	4.3
LOWER MANNVILLE L	148.0	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE Q	698.0	0.15		105.0		105.0	73.3	31.7
LOWER MANNVILLE T	171.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE X	62.2	0.15		9.3		9.3	8.9	0.4
LOWER MANNVILLE Y	130.0	<0.02		2.2		2.2	2.2	
LOWER MANNVILLE CC	257.0	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE A&B	193.0	0.06		11.6		11.6	11.3	0.3
FIELD TOTAL *	5 127.3			354.5		354.5	212.3	142.2
STETTLER 038-20W4								
UPPER MANNVILLE C	186.0	0.05		9.3		9.3	0.9	8.4
LOWER MANNVILLE A	278.0	<0.01		1.0		1.0	1.0	
D-2 A TOTAL	9 430.0			2 830.0	1 383.0	4 213.0	4 155.2	57.8
PRIMARY AREA	210.0	0.30		63.0		63.0		
WATER FLOOD AREA	9 220.0	<0.31	0.15	2 767.0	1 383.0	4 150.0		
D-2 B	95.0	<0.04		3.3		3.3	3.3	
D-2 C	310.0	<0.01		0.1		0.1	0.1	
D-3 A	6 150.0	0.60		3 690.0		3 690.0	3 464.5	225.5
D-3 B	420.0	0.65		273.0		273.0	269.1	3.9
D-3 D	106.0	0.15		15.9		15.9	9.4	6.5
D-3 E	172.0	0.10		17.2		17.2	1.9	15.3
D-3 F	103.0	0.25		25.8		25.8	1.7	24.1
D-3 G	20.8	0.60		12.5		12.5	5.7	6.8
FIELD TOTAL	17 270.8			6 878.1	1 383.0	8 261.1	7 912.8	348.3
STETTLER NORTH 039-20W4								
UPPER MANNVILLE A	618.0	0.08		49.4		49.4	41.9	7.5
FIELD TOTAL	618.0			49.4		49.4	41.9	7.5
STEWART 032-28W4								
BELLY RIVER A	246.0	0.05		12.3		12.3	0.2	12.1
BELLY RIVER B	141.0	0.05		7.1		7.1	0.2	6.9
FIELD TOTAL	387.0			19.4		19.4	0.4	19.0
STRACHAN 037-08W5								
SECOND WHITE SPECKS A	27.6	0.15		4.1		4.1	0.2	3.9
VIKING B	24.5	<0.01		0.2		0.2	0.2	
VIKING C	35.3	0.30		10.6		10.6		10.6
FIELD TOTAL	87.4			14.9		14.9	0.4	14.5
STRATHMORE 022-25W4								
UPPER MANNVILLE A	227.0	0.06		13.6		13.6	11.7	1.9
LOWER MANNVILLE A	161.0	0.10		16.1		16.1	7.1	9.0
LOWER MANNVILLE B	2 660.0			266.0	790.0	1 056.0	308.3	747.7
TOTAL								
PRIMARY AREA	26.5	0.10		2.7		2.7		
WATER FLOOD AREA	2 633.0	0.10	0.30	263.0	790.0	1 053.0		
LOWER MANNVILLE C	107.0	0.05		5.3		5.3	0.1	5.2
LOWER MANNVILLE D	166.0	<0.01		0.7		0.7	0.7	
FIELD TOTAL	3 321.0			301.7	790.0	1 091.7	327.9	763.8
STURGEON LAKE 071-23W5								
D-3	13 230.0	0.50		6 615.0		6 615.0	3 996.4	2 618.6

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
32	4.60	0.210	0.35	0.90	43	876	32	9 372	-292.9	1 062.2	1976	93 02 - GPP
480	3.51	0.200	0.43	0.90	56	865	37	9 505	-286.6	1 049.4	1979	85 12 - GPP
32	2.00	0.120	0.50	0.95	20	910	30	8 189	-291.7	1 047.2	1978	84 11 - ABAND 89 10
128	1.79	0.160	0.46	0.85	46	890	36	7 463	-277.0	1 086.2	1985	86 06
128	1.90	0.240	0.26	0.92	28	939	35	8 407	-272.5	1 034.5	1972	89 12 - GPP
128	4.50	0.190	0.58	0.86	55	875	32	8 066	-284.6	1 077.2	1987	88 10 - GPP
64	1.23	0.140	0.40	0.90	47	876	27	8 697	-268.6	1 046.1	1972	78 02 - GPP
64	1.83	0.120	0.25	0.92	34	892	38	9 397	-282.6	1 038.8	1976	91 12 - GPP
64	1.23	0.240	0.30	0.86	51	887	37	9 331	-290.8	1 045.5	1977	79 05 - GPP
64	2.00	0.180	0.30	0.92	36	876	39	6 270	-286.8	1 066.0	1978	82 12 - ABAND 81 07
256	1.96	0.230	0.32	0.89	45	863	38	9 564	-293.3	1 083.3	1980	92 12 - GPP
64	2.30	0.210	0.40	0.92	126	858	50	9 722	-301.9	1 087.8	1979	83 12 - ABAND 89 11
64	1.00	0.180	0.40	0.90	18	863	37	6 329	-291.3	1 072.5	1984	87 12 - GPP
64	1.17	0.260	0.25	0.89	62	889	37	8 610	-263.1	1 028.1	1976	88 12 - GPP
64	4.70	0.190	0.49	0.88	45	848	38	6 536	-287.2	1 074.6	1987	92 10
64	2.70	0.200	0.35	0.86	37	870	49	9 568	-293.4	1 075.5	1970	84 12 - GPP
64	3.17	0.160	0.35	0.88	58	872	35	9 161	-477.0	1 296.4	1987	88 03
16	17.60	0.160	0.30	0.88	46	870	47	8 251	-503.4	1 322.1	1974	92 12
2 239					63	876	62	12 103	-755.4	1 583.9	1949	86 06
112	5.94	0.050	0.22	0.81								- GPP
2 127	13.72	0.050	0.22	0.81								- ABAND 84 05
64	2.60	0.080	0.12	0.81	62	887	38	11 800	-753.5	1 582.9	1978	86 12 - GPP
64	12.00	0.060	0.20	0.84	62	887	55	11 861	-761.2	1 592.0	1979	82 12
1 861	7.96	0.061	0.17	0.82	67	887	63	12 971	-799.7	1 626.5	1949	75 08 - GPP
140	5.67	0.075	0.15	0.83	62	876	65	13 003	-820.9	1 650.3	1952	90 12 - GPP
64	5.30	0.060	0.37	0.83	62	876	58	12 282	-817.6	1 642.7	1984	89 12 - GPP
64	3.15	0.124	0.18	0.84	62	873	65	12 023	-818.5	1 645.5	1984	86 12 - GPP
32	4.00	0.130	0.26	0.84	62	902	65	11 864	-800.5	1 631.0	1985	86 03 - GPP
11	3.90	0.075	0.21	0.82	68	887	66	12 189	-806.6	1 629.0	1983	85 09 - GPP
285	1.85	0.200	0.31	0.85	44	887	33	9 371	-470.6	1 291.8	1949	82 10 - GPP
64	5.40	0.170	0.55	0.93	17	840	44	4 135	-207.7	1 167.9	1990	90 10
32	7.50	0.150	0.55	0.87	55	850	35		-199.9	1 145.8	1992	93 03
64	6.00	0.020	0.10	0.40	399	791	82	30 783	-1 434.5	2 507.5	1990	91 11
64	1.20	0.070	0.35	0.70	158	819	88	22 412	-1 575.1	2 658.0	1990	93 08 - ABAND 93 03
64	1.80	0.060	0.32	0.75	144	819	85		-1 625.7	2 708.7	1972	93 12
64	3.70	0.150	0.20	0.80	177	800	52	13 773	-751.1	1 703.3	1963	89 12 - GPP
64	3.40	0.120	0.25	0.82	76	865	49	11 729	-788.6	1 782.6	1976	79 09 - GPP
831					118	855	53	15 720	-833.1	1 808.2	1985	91 07
16	3.40	0.140	0.56	0.79								- GPP
815	3.60	0.160	0.29	0.79								- GPP
64	2.00	0.150	0.36	0.87	42	845	53	15 761	-819.0	1 808.8	1981	87 08 - GPP
64	2.70	0.170	0.32	0.83	83	838	45	15 852	-865.6	1 887.7	1988	92 10
1 455	20.10	0.080	0.13	0.65	188	839	88	27 323	-1 918.5	2 694.4	1952	93 12 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
STURGEON LAKE 071-23W5 (CONTINUED)								
D-3 B	74.2	0.20		14.8		14.8	7.9	6.9
FIELD TOTAL	13 304.2			6 629.8		6 629.8	4 004.3	2 625.5
STURGEON LAKE SOUTH 069-22W5								
TRIASSIC A	4 770.0	0.11		525.0		525.0	509.2	15.8
TRIASSIC B	1 200.0	0.25		300.0		300.0	285.6	14.4
TRIASSIC C	26.6	<0.01		0.2		0.2	0.2	
TRIASSIC E	36.2	0.05		1.8		1.8	0.1	1.7
BELLOY A	31.3	0.03		0.9		0.9	0.4	0.5
BLUERIDGE A	728.0	0.20		146.0		146.0	131.7	14.3
D-3	49 000.0	<0.57		27 800.0		27 800.0	24 474.1	3 325.9
D-3 B	1 210.0	0.11		133.0		133.0	121.1	11.9
D-3 C	1 000.0	0.55		550.0		550.0	361.3	188.7
D-3 D	268.0	0.25		67.0		67.0	15.5	51.5
D-3 E	177.0	0.05		8.9		8.9	1.5	7.4
D-3 F	62.3	<0.02		1.1		1.1	1.1	
FIELD TOTAL	58 509.4			29 533.9		29 533.9	25 901.8	3 632.1
SULLIVAN LAKE 034-14W4								
BASAL QUARTZ A	156.0	<0.01		0.4		0.4	0.4	
BANFF A	195.0	0.10		19.5		19.5	3.1	16.4
BANFF B	754.0	0.02		15.1		15.1	11.9	3.2
BANFF C	332.0	0.03		10.0		10.0	8.2	1.8
FIELD TOTAL	1 437.0			45.0		45.0	23.6	21.4
SUNNYSOOK 026-10W4								
UPPER MANNVILLE G	122.0	0.10		12.2		12.2	0.1	12.1
BANFF C	94.6	<0.01		0.1		0.1	0.1	
FIELD TOTAL *	216.6			12.3		12.3	0.2	12.1
SUNSET 069-20W5								
TRIASSIC A	4 130.0	0.15	0.02	620.0	82.6	703.0	582.0	121.0
WATER FLOOD								
TRIASSIC B	288.0	0.15		43.2		43.2	24.1	19.1
BEAVERHILL LAKE A	245.0	<0.01		1.1		1.1	1.1	
BEAVERHILL LAKE B	251.0	<0.04		9.6		9.6	9.6	
FIELD TOTAL	4 914.0			673.9	82.6	756.9	616.8	140.1
SWALWELL 029-24W4								
PEKISKO A	1 620.0	0.05		81.0		81.0	60.5	20.5
PEKISKO B	166.0	0.02		3.3		3.3	1.1	2.2
PEKISKO C	249.0	<0.01		0.5		0.5	0.5	
PEKISKO D	408.0	<0.07		27.8		27.8	27.8	
PEKISKO E	38.0	0.10		3.8		3.8	1.2	2.6
PEKISKO F	2 419.0	0.04		96.8		96.8	74.5	22.3
PEKISKO H	603.0	0.02		12.1		12.1	6.6	5.5
PEKISKO I	186.0	<0.01		1.6		1.6	1.6	
PEKISKO L	294.0	0.15		44.1		44.1	12.5	31.6
D-2 A	1 120.0	0.20		224.0		224.0	187.1	36.9
D-2 C	555.0	0.50		278.0		278.0	185.5	92.5
D-2 D	596.0	0.35		209.0		209.0	143.0	66.0
FIELD TOTAL	8 254.0			982.0		982.0	701.9	280.1
SWAN HILLS 068-10W5								
GETHING A	201.0	0.05		10.1		10.1	4.3	5.8
BEAVERHILL LAKE C	98 710.0			13 000.0	17 770.0	30 770.0	21 513.7	9 256.3
TOTAL								
PRIMARY AREA	2 754.0	0.28		771.0		771.0		
WATER FLOOD AREA	95 960.0	<0.13	0.19	12 230.0	17 770.0	30 000.0		
BEAVERHILL LAKE D	216.0	<0.01		0.2		0.2	0.2	
BEAVERHILL LAKE E	101.0	0.10		10.1		10.1	0.7	9.4
BEAVERHILL LAKE G	113.0	<0.01		0.3		0.3	0.3	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
16	12.90	0.070	0.21	0.65	178	835	88	24 864	-2 113.5	2 861.0	1988	91 12 - GPP
1 578	4.08	0.150	0.35	0.76	102	844	52	13 976	-848.0	1 499.9	1955	70 02 - GPP
565	2.83	0.139	0.29	0.76	101	839	54	14 942	-903.6	1 554.0	1957	88 12 - GPP
32	2.00	0.090	0.40	0.77	104	838	54	13 204	-894.6	1 553.8	1983	85 04 - ABAND 85 03
32	2.80	0.150	0.65	0.77	104	839	54	14 826	-889.5	1 565.9	1959	91 11 - GPP
32	1.20	0.150	0.36	0.85	58	880	42	14 680	-952.8	1 645.3	1956	90 01 - GPP
300	6.43	0.073	0.24	0.68	145	834	82	24 414	-1 684.1	2 342.2	1957	93 12 - GPP
6 700	25.00	0.050	0.10	0.65	183	834	88	27 409	-1 916.4	2 582.9	1953	87 08 - GPP
446	8.87	0.050	0.15	0.72	133	839	91	26 079	-1 948.5	2 660.2	1964	90 12 - GPP
110	14.73	0.102	0.11	0.68	160	841	88	22 991	-2 006.0	2 668.4	1983	91 02 - GPP
32	15.20	0.090	0.10	0.68	160	850	89	23 158	-1 998.3	2 658.4	1984	84 12 - GPP
32	14.37	0.070	0.14	0.64	183	844	87	22 664	-1 942.8	2 675.3	1987	89 12 - GPP
32	2.89	0.110	0.10	0.68	145	832	95	22 506	-2 073.7	2 753.3	1989	92 10 - GPP
64	1.80	0.220	0.30	0.88	51	877	30	8 569	-280.9	1 095.3	1980	80 10 - GPP
64	3.20	0.130	0.16	0.87	51	878	43	9 177	-337.9	1 173.4	1982	88 02 - GPP
128	10.19	0.100	0.32	0.85	62	872	36	9 089	-327.4	1 176.4	1987	91 12 - GPP
64	6.30	0.180	0.39	0.75	88	861	40	9 389	-308.0	1 128.7	1988	91 12 - GPP
32	4.50	0.170	0.44	0.89	45	847	38	10 348	-224.9	986.7	1990	91 04 - GPP
64	4.00	0.060	0.30	0.88	50	878	43	10 042	-264.4	1 022.0	1988	88 10 - ABAND 88 06
1 391	5.46	0.130	0.49	0.82	97	865	60	12 969	-727.1	1 438.0	1960	91 05 - GPP
96	5.33	0.140	0.51	0.82	76	865	43	14 519	-703.8	1 390.5	1975	85 05 - GPP
128	6.74	0.056	0.35	0.78	70	877	86	24 681	-1 952.5	2 693.5	1982	85 12 - ABAND 92 07
64	8.63	0.075	0.27	0.83	41	860	40	25 954	-1 927.1	2 742.4	1973	92 09 - ABAND 87 05
576	10.40	0.044	0.25	0.82	74	849	53	11 798	-786.1	1 650.1	1963	81 12 - GPP
64	14.02	0.050	0.55	0.82	74	839	54	12 200	-822.1	1 700.5	1975	91 07 - GPP
65	16.46	0.050	0.43	0.82	74	839	49	10 572	-794.0	1 705.4	1975	82 12 - GPP
128	10.80	0.060	0.40	0.82	71	839	64	11 049	-789.8	1 664.7	1977	92 10 - GPP
65	1.83	0.060	0.35	0.82	78	855	43	11 300	-752.7	1 652.8	1977	79 03 - GPP
744	8.21	0.070	0.31	0.82	64	871	52	11 077	-775.6	1 667.6	1979	90 12 - GPP
128	18.84	0.050	0.39	0.82	67	869	51	11 087	-770.5	1 626.5	1979	83 12 - GPP
32	8.80	0.133	0.40	0.83	85	874	61	11 331	-751.2	1 630.0	1980	91 10 - ABAND 90 03
128	8.49	0.060	0.45	0.82	71	849	60	11 323	-786.2	1 711.6	1975	92 05 - GPP
594	4.25	0.080	0.28	0.77	96	839	69	16 683	-1 127.5	1 969.4	1969	87 12 - GPP
228	3.69	0.110	0.19	0.74	122	837	62	16 362	-1 126.8	1 984.7	1987	93 12 - GPP
192	6.30	0.080	0.20	0.77	122	837	61	16 177	-1 123.8	1 951.0	1987	92 12 - GPP
32	3.30	0.250	0.20	0.95	16	917	35	7 230	-185.3	942.4	1984	84 12 - GPP
25 625					77	815	91	21 779	-1 342.5	2 352.1	1958	93 12 - GPP
1 867	3.39	0.062	0.10	0.78								- GPP
23 758	9.28	0.062	0.10	0.78								- GPP
128	9.00	0.030	0.20	0.78	86	818	53	22 460	-1 325.7	2 487.8	1982	84 12 - ABAND 84 01
64	3.68	0.064	0.14	0.78	77	818	85	20 239	-1 430.1	2 336.3	1987	88 03 - GPP
64	8.79	0.056	0.50	0.72	97	814	103	21 143	-1 531.9	2 651.8	1988	92 06 - ABAND 91 07

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
SWAN HILLS 068-10W5 (CONTINUED)								
BEAVERHILL LAKE A&B TOTAL	290 600.0			45 260.0	72 100.0	117 400.0	97 600.8	19 799.2
PRIMARY AREA	5 516.0	0.12		662.0		662.0		
SOLVENT FLOOD AREA	141 900.0	<0.17	0.35	23 700.0	48 400.0	72 100.0		
WATER FLOOD AREA	143 200.0	<0.15	0.17	20 900.0	23 700.0	44 600.0		
FIELD TOTAL	389 941.0			58 280.7	89 870.0	148 190.7	119 120.0	29 070.7
SWAN HILLS SOUTH 065-10W5								
BEAVERHILL LAKE C	57.7	0.25		14.4		14.4	11.7	2.7
BEAVERHILL LAKE D	220.0	0.16		35.2		35.2	32.0	3.2
BEAVERHILL LAKE E	151.0	0.02		3.0		3.0	1.3	1.7
BEAVERHILL LAKE A&B TOTAL	134 800.0			23 170.0	44 280.0	67 450.0	57 778.7	9 671.3
PRIMARY AREA	2 310.0	0.14		324.0		324.0		
SOLVENT FLOOD AREA	124 800.0	0.18	0.35	22 460.0	43 690.0	66 150.0		
WATER FLOOD AREA	7 646.0	<0.06	0.07	384.0	589.0	973.0		
FIELD TOTAL	135 228.7			23 222.6	44 280.0	67 502.6	57 823.7	9 678.9
SYLVAN LAKE 037-03W5								
CARDIUM A	550.0	0.13		71.5		71.5	68.8	2.7
CARDIUM B	210.0	0.10		21.0		21.0	13.6	7.4
CARDIUM C	186.0	0.05		9.3		9.3	2.7	6.6
CARDIUM E, 2WS B & OSTRACOD L	865.0	0.04		34.6		34.6	14.4	20.2
SECOND WHITE SPECKS A	484.0	0.02		9.7		9.7	6.1	3.6
SECOND WHITE SPECKS C	685.0	0.10		68.5		68.5	27.4	41.1
SECOND WHITE SPECKS D	280.0	0.10		28.0		28.0	0.5	27.5
VIKING E	361.0	0.10		36.1		36.1	34.6	1.5
VIKING G	64.5	0.15		9.7		9.7	5.6	4.1
VIKING H	73.9	<0.05		3.5		3.5	3.5	
VIKING J	77.8	<0.02		0.9		0.9	0.9	
VIKING K	120.0	0.15		18.0		18.0	16.8	1.2
VIKING L	80.2	<0.02		1.6		1.6	1.6	
VIKING M	312.0	0.05		15.6		15.6	7.8	7.8
VIKING Q	25.1	0.20		5.0		5.0	2.9	2.1
VIKING T	36.2	0.15		5.4		5.4	0.6	4.8
VIKING U	55.9	0.15		8.4		8.4	2.8	5.6
VIKING V	86.0	0.20		17.2		17.2	7.1	10.1
VIKING W	292.0	0.05		14.6		14.6	3.4	11.2
VIKING Y	9.6	<0.02		0.1		0.1	0.1	
VIKING Z	80.4	<0.14		10.9		10.9	10.9	
VIKING AA	55.2	0.01		0.6		0.6	0.6	
VIKING BB	53.2	<0.10		5.2		5.2	5.2	
VIKING CC	52.0	0.10		5.2		5.2	0.7	4.5
VIKING EE	17.7	<0.19		3.3		3.3	2.8	0.5
VIKING GG	32.5	0.10		3.3		3.3	2.2	1.1
VIKING HH	12.7	0.20		2.5		2.5	0.1	2.4
VIKING II	6.7	0.20		1.3		1.3	0.5	0.8
VIKING A, O & S	2 190.0	0.10		219.0		219.0	215.9	3.1
GLAUCONITIC C	337.0	<0.06		18.4		18.4	18.4	
GLAUCONITIC D	172.0	<0.01		0.4		0.4	0.4	
GLAUCONITIC F	333.0	<0.01		0.9		0.9	0.9	
GLAUCONITIC G	448.0	0.15		67.2		67.2	37.4	29.8
GLAUCONITIC H	246.0	0.10		24.6		24.6	11.1	13.5
GLAUCONITIC L	305.0	0.10		30.5		30.5	12.7	17.8
GLAUCONITIC J & BASAL QUARTZ B	223.0	0.05		11.2		11.2	0.1	11.1
GLAUCONITIC & LOWER MANNVILLE MU #1	435.0	0.05		21.8		21.8	15.4	6.4
LOWER MANNVILLE J	211.0	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE N	42.2	<0.02		0.7		0.7	0.7	
LOWER MANNVILLE R	529.0	0.02		10.6		10.6	1.4	9.2
LOWER MANNVILLE S	44.0	<0.03		1.1		1.1	1.1	
LOWER MANNVILLE Y	1 299.0	0.15		195.0		195.0	71.6	123.4
LOWER MANNVILLE GG	366.0	0.05		18.3		18.3	11.5	6.8

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
40 802					100	820	104	22 845	-1 474.2	2 607.7	1957	92 12
2 409	6.08	0.067	0.23	0.73								- GPP
7 813	37.00	0.082	0.18	0.73								- GPP
30 580	11.28	0.079	0.28	0.73								
64	3.30	0.060	0.35	0.70	108	820	109	23 172	-1 529.7	2 427.3	1984	92 07 - GPP
64	8.50	0.067	0.15	0.71	108	820	109	22 843	-1 555.1	2 522.8	1965	91 12 - GPP
64	9.14	0.047	0.25	0.73	102	840	91	-1 419.0	-1 419.0	2 328.2	1985	92 11 - GPP
14 928					113	820	107	23 615	-1 526.0	2 475.3	1959	87 01
713	9.16	0.063	0.22	0.72								- GPP
11 222	22.20	0.084	0.16	0.71								- GPP
2 993	6.92	0.065	0.20	0.71								
411	1.54	0.138	0.25	0.84	71	860	54	14 149	-788.2	1 769.4	1962	91 12 - GPP
192	1.51	0.120	0.28	0.84	71	847	54	14 266	-806.2	1 793.6	1963	88 03 - GPP
128	4.03	0.058	0.26	0.84	68	845	54	13 879	-749.5	1 681.0	1982	88 03 - GPP
788	1.88	0.100	0.27	0.80	62	827	60	16 627	-806.0	1 800.4	1985	92 09
64	12.00	0.180	0.50	0.70	145	816	64	18 747	-1 092.6	2 086.0	1981	83 12 - GPP
64	17.00	0.180	0.50	0.70	135	868	50	21 979	-910.3	1 881.5	1987	89 10
64	11.40	0.080	0.25	0.64	177	794	47	22 575	-969.0	1 966.5	1984	92 02
256	2.77	0.110	0.40	0.77	102	839	66	15 281	-1 041.3	2 007.0	1972	87 07 - GPP
64	2.80	0.080	0.40	0.75	123	820	36	18 131	-1 026.4	1 996.9	1964	81 07 - GPP
64	2.20	0.100	0.30	0.75	105	815	58	18 938	-1 023.3	1 981.4	1981	92 10
64	2.70	0.100	0.40	0.75	125	825	60	17 648	-1 012.7	1 973.4	1981	89 12 - GPP
124	2.15	0.090	0.35	0.77	99	839	66	14 018	-1 179.1	2 183.4	1977	83 12 - GPP
128	1.37	0.090	0.34	0.77	101	839	66	11 836	-1 111.4	2 102.9	1983	85 08 - ABAND 88 05
100	3.48	0.210	0.43	0.75	105	800	63	14 214	-842.5	1 831.8	1982	93 12
64	1.74	0.045	0.35	0.77	72	845	66	11 385	-1 160.5	2 172.1	1978	82 07 - GPP
64	1.50	0.070	0.30	0.77	101	840	66	11 621	-1 015.9	1 972.8	1985	85 10 - GPP
64	1.70	0.100	0.35	0.79	101	839	66	10 608	-1 019.4	1 982.6	1985	85 10 - GPP
64	3.00	0.080	0.30	0.80	101	839	66	11 695	-1 083.5	2 086.5	1985	87 12 - GPP
192	3.38	0.080	0.26	0.76	131	806	44	12 630	-851.4	1 794.8	1985	88 04 - GPP
64	1.00	0.026	0.30	0.82	68	840	64	11 682	-1 090.7	2 084.5	1986	89 12 - ABAND 90 10
112	1.00	0.160	0.41	0.76	131	898	44	14 059	-831.4	1 769.8	1983	88 04 - ABAND 90 11
64	1.60	0.100	0.30	0.77	102	834	66	11 222	-958.3	1 872.2	1985	88 07 - ABAND 88 10
128	0.90	0.120	0.50	0.77	102	835	66	13 094	-806.5	1 746.5	1988	89 01 - ABAND 90 06
64	1.80	0.090	0.35	0.77	102	834	41	11 569	-1 009.5	1 942.5	1977	79 08
64	0.80	0.090	0.50	0.77	102	835	66	18 982	-1 112.2	2 108.4	1991	93 12 - GPP
64	1.10	0.100	0.40	0.77	101	838	66	13 531	-945.4	1 859.9	1980	92 07 - GPP
64	1.70	0.040	0.62	0.77	102	835	66	10 938	-1 107.5	2 083.0	1985	92 10
64	0.70	0.030	0.35	0.77	102	835	66	14 237	-1 037.7	1 977.4	1991	93 01
3 200	1.26	0.110	0.35	0.76	110	815	51	15 859	-946.9	1 900.7	1965	92 12 - GPP
64	8.62	0.130	0.39	0.77	89	887	64	16 883	-1 228.6	2 199.1	1964	73 12 - GPP
65	4.57	0.100	0.25	0.77	98	910	62	16 514	-1 248.2	2 201.0	1975	76 07
64	9.40	0.120	0.35	0.71	126	807	79	14 446	-1 196.6	2 158.9	1983	86 12 - ABAND 85 07
64	12.80	0.100	0.23	0.71	90	808	70	12 233	-1 204.7	2 159.5	1974	93 12 - GPP
64	5.00	0.120	0.20	0.80	62	880	60	11 110	-1 213.9	2 155.6	1987	87 10 - GPP
64	6.30	0.140	0.24	0.71	126	808	79	11 522	-1 229.5	2 197.2	1990	90 08
64	7.20	0.110	0.38	0.71	126	805	79	17 729	-1 025.0	1 962.3	1986	90 01
64	7.08	0.150	0.20	0.80	108	892	73	20 703	-1 402.0	2 396.9	1963	89 12 - GPP
65	2.74	0.200	0.30	0.85	64	915	61	14 185	-1 175.3	2 158.0	1976	83 12 - ABAND 80 11
32	2.50	0.100	0.15	0.62	195	795	64	18 115	-1 362.4	2 353.3	1978	91 10 - ABAND 91 08
64	12.30	0.120	0.30	0.80	80	845	66	17 098	-1 222.9	2 140.4	1981	89 12 - GPP
64	1.20	0.090	0.25	0.85	54	888	71	17 703	-1 345.2	2 336.1	1978	88 12 - ABAND 91 08
226	8.08	0.120	0.23	0.77	97	871	74	17 439	-1 291.5	2 269.0	1985	93 07
64	6.80	0.140	0.23	0.78	95	876	68	13 326	-1 272.2	2 228.0	1990	93 12 - GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
SYLVAN LAKE 037-03W5 (CONTINUED)								
LOWER MANNVILLE II	105.0	0.05		5.3		5.3	0.3	5.0
OSTRACOD F	144.0	<0.01		0.6		0.6	0.6	
OSTRACOD M	58.7	0.11		6.5		6.5	5.6	0.9
OSTRACOD J,K,N,O & LOWER MANNVILLE BB	252.0	<0.03		5.4		5.4	5.2	0.2
DETRITAL B	240.0	<0.01		1.4		1.4	1.4	
DETRITAL D	88.8	0.05		4.4		4.4	0.1	4.3
DETRITAL E & ELKTON E	443.0	0.09		39.9		39.9	34.9	5.0
JURASSIC A	4 501.0	0.15		675.0		675.0	489.2	185.8
JURASSIC B	224.0	<0.01		0.8		0.8	0.8	
JURASSIC C	1 590.0	0.05		79.5		79.5	71.1	8.4
JURASSIC D	1 659.0	0.08		133.0		133.0	74.6	58.4
JURASSIC E	730.0	0.04		29.2		29.2	23.5	5.7
JURASSIC I	375.0	0.05		18.8		18.8	1.1	17.7
JURASSIC K	180.0	0.15		27.0		27.0	1.3	25.7
JURASSIC M	184.0	<0.09		16.5		16.5	16.5	
JURASSIC N	909.0	0.03		27.3		27.3	19.2	8.1
JURASSIC P	261.0	<0.01		0.1		0.1	0.1	
JURASSIC R	157.0	0.10		15.7		15.7	8.5	7.2
JURASSIC T	183.0	<0.01		0.9		0.9	0.9	
JURASSIC U	374.0	<0.01		0.3		0.3	0.3	
JURASSIC W	357.0	<0.01		0.1		0.1	0.1	
JURASSIC CC	177.0	<0.01		0.4		0.4	0.4	
JURASSIC FF	471.0	0.05		23.6		23.6	13.2	10.4
JURASSIC GG	77.9	0.05		3.9		3.9	0.8	3.1
JURASSIC II	30.6	0.10		3.1		3.1		3.1
ELKTON F	454.0	0.10		45.4		45.4	41.4	4.0
ELKTON J	460.0	0.06		27.6		27.6	20.7	6.9
ELKTON K	189.0	0.15		28.4		28.4	22.4	6.0
ELKTON L	607.0	0.10		60.7		60.7	27.1	33.6
ELKTON-SHUNDA D	4 250.0	0.20		850.0		850.0	762.7	87.3
ELKTON-SHUNDA E	750.0	0.30		225.0		225.0	151.7	73.3
ELKTON-SHUNDA G	592.0	0.05		29.6		29.6	22.0	7.6
ELKTON-SHUNDA H	1 011.0	0.10		101.0		101.0		101.0
SHUNDA C	126.0	0.02		2.5		2.5	2.2	0.3
SHUNDA E	82.0	0.08		6.6		6.6	6.6	
SHUNDA G	37.2	<0.01		0.2		0.2	0.2	
SHUNDA H	209.0	0.10		20.9		20.9	0.1	20.8
SHUNDA I	213.0	0.05		10.7		10.7	0.4	10.3
PEKISKO A	30.0	0.01		0.3		0.3	0.2	0.1
PEKISKO B	10 130.0	0.30		3 039.0		3 039.0	2 297.9	741.1
PEKISKO C	4 643.0	0.30		1 393.0		1 393.0	972.9	420.1
PEKISKO D	1 910.0	0.25		478.0		478.0	441.8	36.2
PEKISKO E	161.0	0.15		24.2		24.2	3.6	20.6
PEKISKO G	179.0	<0.01		0.1		0.1	0.1	
PEKISKO M	105.0	<0.01		0.1		0.1	0.1	
PEKISKO Q	288.0	0.05		14.4		14.4	5.8	8.6
PEKISKO R	269.0	<0.02		3.0		3.0	3.0	
PEKISKO S	268.0	<0.01		2.6		2.6	2.6	
PEKISKO T	155.0	<0.01		0.5		0.5	0.5	
PEKISKO U	384.0	0.15		57.6		57.6	23.5	34.1
PEKISKO X	216.0	0.10		21.6		21.6	0.4	21.2
PEKISKO Y	89.0	<0.01		0.8		0.8	0.8	
PEKISKO Z	210.0	0.15		31.5		31.5		31.5
D-3 A	821.0	<0.02		9.3		9.3	9.3	
D-3 B	944.0	0.10		94.4		94.4	50.6	43.8
D-3 C	785.0	0.18		141.0		141.0	88.5	52.5
FIELD TOTAL	56 684.0			8 869.8		8 869.8	6 372.0	2 497.8
TANGENT 080-24W5								
TRIASSIC F	137.0	<0.01		0.1		0.1	0.1	
D-1 A	485.0	0.22		107.0		107.0	98.2	8.8
D-1 B	84.9	<0.11		8.5		8.5	8.5	
D-1 C	246.0	<0.07		14.9		14.9	14.9	
D-1 D	104.0	0.35		36.4		36.4	20.4	16.0
D-1 E	677.0	0.16		108.0		108.0	107.4	0.6
D-1 F	552.0	0.12		66.2		66.2	54.7	11.5
D-1 G	94.0	0.10		9.4		9.4	2.2	7.2
D-1 H	643.0	0.20		129.0		129.0	71.6	57.4

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
64	2.70	0.120	0.35	0.78	91	879	69	14 994	-1 077.7	2 014.9	1986	91 03
64	4.00	0.100	0.25	0.75	105	879	74	17 225	-1 326.5	2 321.8	1979	82 12 - ABAND 89 07
64	1.90	0.100	0.30	0.69	145	892	70	17 175	-1 320.0	2 309.9	1987	93 12 - GPP
64	5.18	0.130	0.24	0.77	80	892	71	17 510	-1 294.5	2 283.0	1963	90 12
16	19.81	0.128	0.25	0.79	80	887	73	16 624	-1 207.9	2 197.6	1962	92 11 - ABAND 71 05
16	3.66	0.240	0.20	0.79	80	844	73	16 718	-1 186.6	2 176.3	1962	93 03
64	10.40	0.104	0.18	0.78	102	887	76	19 287	-1 439.3	2 432.0	1963	93 12 - GPP
967	6.12	0.130	0.25	0.78	96	887	68	17 390	-1 296.3	2 262.5	1962	92 09 - GPP
66	5.79	0.100	0.25	0.78	93	887	71	17 022	-1 302.2	2 240.1	1962	64 04 - ABAND 66 10
192	10.47	0.130	0.22	0.78	96	887	71	15 768	-1 288.3	2 242.5	1960	83 05 - GPP
253	7.80	0.140	0.23	0.78	94	887	71	17 120	-1 253.6	2 201.2	1962	92 08 - GPP
65	12.80	0.150	0.25	0.78	95	898	67	17 165	-1 265.4	2 212.1	1964	89 12 - GPP
65	10.97	0.090	0.25	0.78	95	887	71	17 163	-1 265.1	2 222.5	1964	85 11 - GPP
64	3.80	0.120	0.23	0.80	83	890	68	15 753	-1 286.6	2 226.3	1968	92 05
64	5.53	0.090	0.25	0.77	103	887	71	16 897	-1 254.6	2 202.8	1962	85 12 - GPP
192	7.33	0.120	0.31	0.78	83	890	68	18 022	-1 299.2	2 269.2	1982	93 12 - GPP
64	6.80	0.110	0.30	0.78	88	933	60	17 740	-1 349.7	2 311.9	1983	84 03 - ABAND 84 09
64	5.10	0.103	0.40	0.78	95	919	65	17 965	-1 293.2	2 263.5	1983	84 06 - GPP
64	3.40	0.150	0.30	0.80	83	889	68	15 462	-1 326.4	2 302.3	1984	86 01 - ABAND 86 01
64	7.50	0.135	0.26	0.78	98	867	55	17 327	-1 281.9	2 239.0	1981	88 12 - ABAND 87 11
64	5.20	0.170	0.19	0.78	98	895	55	15 097	-1 306.6	2 232.7	1985	88 12 - ABAND 89 06
64	4.30	0.110	0.25	0.78	100	884	76	16 548	-1 290.9	2 262.1	1987	88 03 - ABAND 89 03
128	4.72	0.130	0.25	0.80	78	871	70	17 194	-1 331.0	2 304.1	1987	92 12 - GPP
32	3.00	0.130	0.22	0.80	89	894	69	18 657	-1 351.3	2 338.8	1989	91 04 - GPP
32	1.80	0.130	0.49	0.80	83	897	70		-1 313.8	2 295.1	1988	93 12 - GPP
64	11.09	0.100	0.18	0.78	89	887	76	18 968	-1 440.1	2 433.7	1963	87 12 - GPP
64	13.00	0.100	0.35	0.85	95	886	64	18 013	-1 407.8	2 393.1	1984	89 10 - GPP
64	4.00	0.120	0.25	0.82	72	911	73	16 939	-1 262.1	2 217.1	1984	88 12
64	13.50	0.150	0.40	0.78	75	913	70	16 911	-1 368.3	2 353.6	1989	91 12
1 620	4.20	0.104	0.24	0.79	93	887	68	17 428	-1 303.3	2 274.3	1962	92 01 - GPP
318	4.25	0.108	0.35	0.79	92	881	71	11 352	-1 287.5	2 253.3	1953	92 01 - GPP
105	7.37	0.140	0.29	0.77	74	895	71	17 437	-1 317.3	2 305.7	1982	93 07
128	11.00	0.120	0.27	0.82	72	912	73	16 088	-1 246.7	2 208.6	1992	93 09
65	1.83	0.170	0.20	0.78	96	892	72	16 895	-1 260.3	2 192.7	1972	82 12 - GPP
64	3.20	0.080	0.35	0.77	100	908	70	16 728	-1 330.8	2 317.6	1985	88 04 - ABAND 87 09
64	2.82	0.050	0.51	0.84	75	925	70	16 624	-1 304.5	2 284.8	1987	89 12
64	5.52	0.110	0.36	0.84	75	925	70	17 319	-1 296.4	2 276.7	1987	88 06
64	6.25	0.110	0.38	0.78	92	892	52	16 090	-1 338.3	2 320.6	1988	90 11
16	3.09	0.105	0.24	0.76	88	886	64	17 323	-1 349.2	2 321.8	1962	92 12
1 314	9.93	0.120	0.16	0.77	92	887	69	17 203	-1 272.4	2 226.7	1962	92 04
888	8.38	0.100	0.20	0.78	93	887	72	17 549	-1 296.2	2 236.3	1962	93 12 - GPP
487	6.58	0.102	0.20	0.73	121	849	76	17 604	-1 295.2	2 258.7	1960	88 12 - GPP
27	8.23	0.105	0.20	0.86	85	921	73	15 950	-1 162.7	2 154.2	1963	93 12
16	28.04	0.069	0.25	0.77	62	969	89	17 605	-1 193.3	2 153.7	1963	92 11
16	7.01	0.140	0.13	0.77	94	887	67	17 277	-1 301.1	2 253.9	1964	65 12 - ABAND 68 03
131	4.10	0.100	0.33	0.80	121	849	76	16 979	-1 307.2	2 267.5	1983	91 03 - GPP
64	8.00	0.105	0.35	0.77	145	825	63	17 580	-1 308.9	2 263.9	1984	89 12 - GPP
64	9.60	0.070	0.20	0.78	145	825	63	16 536	-1 257.1	2 194.3	1985	92 07 - ABAND 92 01
64	5.00	0.090	0.30	0.77	88	860	74	16 894	-1 364.4	2 354.9	1986	87 01 - ABAND 87 03
94	5.06	0.140	0.21	0.73	122	857	74	16 761	-1 286.5	2 250.2	1989	92 10 - GPP
32	6.80	0.170	0.25	0.78	88	886	74	17 720	-1 309.5	2 280.5	1990	91 10
16	8.10	0.110	0.20	0.78	88	887	74	15 341	-1 304.9	2 271.4	1991	92 03 - ABAND 91 09
64	5.92	0.100	0.28	0.77	88	887	74		-1 347.4	2 304.5	1963	93 12
500	6.16	0.056	0.15	0.56	262	792	79	24 425	-1 906.7	2 875.4	1961	92 12 - ABAND 87 11
376	6.10	0.066	0.19	0.77	128	770	85	18 177	-1 975.6	2 979.8	1986	92 05 - GPP
64	25.00	0.075	0.15	0.77	170	800	88	18 573	-1 998.3	3 009.1	1986	92 12
64	2.00	0.190	0.25	0.75	105	900	36	8 121	-284.4	856.0	1983	92 10
32	50.50	0.050	0.24	0.79	78	839	62	18 805	-1 199.1	1 770.8	1981	90 12 - GPP
64	6.00	0.040	0.30	0.79	80	839	55	18 430	-1 159.4	1 732.0	1982	82 10 - ABAND 89 05
64	21.30	0.030	0.24	0.79	75	839	68	16 449	-1 208.5	1 783.5	1982	84 02 - ABAND 88 05
64	15.00	0.026	0.50	0.83	62	845	60	18 578	-1 176.3	1 748.4	1983	90 12
32	67.80	0.050	0.21	0.79	82	839	56	18 672	-1 209.1	1 781.7	1983	93 12 - GPP
64	28.17	0.057	0.32	0.79	80	855	58	19 043	-1 250.2	1 830.9	1983	92 12 - GPP
16	42.50	0.025	0.30	0.79	84	843	58	18 616	-1 199.5	1 773.0	1983	90 12 - GPP
40	62.00	0.040	0.20	0.81	77	859	60	19 018	-1 218.2	1 792.9	1987	92 07 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
TANGENT 080-24W5 (CONTINUED)								
D-1 I	215.0	0.20		43.0		43.0	40.4	2.6
D-1 J	278.0	<0.02		5.2		5.2	5.2	
D-1 K	368.0	0.06		22.1		22.1	15.9	6.2
D-1 L	149.0	0.30		44.7		44.7	30.5	14.2
D-1 M	336.0	0.35		118.0		118.0	97.9	20.1
D-1 N	260.0	<0.01		0.1		0.1	0.1	
D-1 O	175.0	<0.02		3.0		3.0	3.0	
D-1 P	376.0	0.15		56.4		56.4	32.2	24.2
D-1 Q	155.0	<0.05		6.3		6.3	6.3	
D-1 R	208.0	0.18		37.4		37.4	35.7	1.7
D-1 S	188.0	<0.02		2.6		2.6	2.6	
D-1 T	120.0	0.10		12.0		12.0	0.1	11.9
D-1 U	176.0	<0.05		7.2		7.2	7.2	
D-1 V	298.0	0.22		65.6		65.6	57.5	8.1
D-1 W	24.0	<0.01		0.1		0.1	0.1	
D-1 X	79.6	<0.01		0.2		0.2	0.2	
D-1 Y	204.0	0.30		61.2		61.2	35.3	25.9
D-1 Z	492.0	<0.04		14.9		14.9	14.9	
D-1 AA	389.0	0.13		50.6		50.6	31.0	19.6
D-1 BB	453.0	0.10		45.3		45.3	31.2	14.1
D-1 CC	423.0	0.10		42.3		42.3	23.4	18.9
D-1 DD	33.2	<0.08		2.5		2.5	2.5	
D-1 EE	143.0	0.20		28.6		28.6	6.8	21.8
D-1 FF	39.8	0.20		8.0		8.0	2.6	5.4
D-1 GG	171.0	0.13		22.2		22.2	14.3	7.9
D-1 HH	161.0	0.35		56.4		56.4	31.5	24.9
D-1 II	226.0	0.15		33.9		33.9	6.0	27.9
D-1 JJ	493.0	0.10		49.3		49.3	32.9	16.4
D-1 KK	258.0	<0.02		5.0		5.0	5.0	
D-1 LL	398.0	0.15		59.7		59.7	21.6	38.1
D-1 MM	16.8	<0.04		0.6		0.6	0.6	
D-1 NN	73.0	<0.05		3.4		3.4	3.4	
D-1 OO	134.0	0.10		13.4		13.4	9.3	4.1
D-1 PP	116.0	0.30		34.8		34.8	18.2	16.6
D-1 QQ	80.0	0.10		8.0		8.0	0.5	7.5
D-1 RR	115.0	0.20		23.0		23.0	7.6	15.4
D-1 SS	103.0	0.20		20.6		20.6	5.3	15.3
D-1 TT	102.0	<0.03		3.0		3.0	3.0	
D-1 UU	244.0	0.20		48.8		48.8	26.7	22.1
D-1 VV	247.0	0.10		24.7		24.7	4.9	19.8
D-1 WW	361.0	0.20		72.2		72.2	50.2	22.0
D-1 XX	275.0	0.30		82.5		82.5	6.6	75.9
D-1 YY	240.0	0.10		24.0		24.0	18.8	5.2
D-1 ZZ	190.0	0.35		66.6		66.6	13.0	53.6
D-1 AAA	206.0	0.25		51.5		51.5	31.0	20.5
D-1 BBB	118.0	<0.01		1.0		1.0	1.0	
D-1 CCC	96.8	0.10		9.7		9.7	8.0	1.7
D-1 DDD	91.8	0.25		23.0		23.0	2.6	20.4
D-1 EEE	132.0	0.15		19.8		19.8	8.2	11.6
D-1 FFF	111.0	0.10		11.1		11.1	1.6	9.5
D-1 GGG	150.0	0.20		30.0		30.0	11.1	18.9
D-1 HHH	34.3	0.35		12.0		12.0	6.1	5.9
D-1 III	96.9	0.25		24.2		24.2	2.3	21.9
D-1 JJJ	33.0	0.35		11.6		11.6	2.0	9.6
D-1 KKK	345.0	<0.04		12.4		12.4	12.4	
D-1 LLL	191.0	0.05		9.6		9.6	5.8	3.8
D-1 MMM	102.0	0.20		20.4		20.4	3.9	16.5
FIELD TOTAL	14 317.1			2 045.2		2 045.2	1 236.0	809.2
TEEPEE 074-04W6 CHARLIE LAKE A	74.9	0.15		11.2		11.2	7.8	3.4
FIELD TOTAL	74.9			11.2		11.2	7.8	3.4
THORSBY 049-01W5								
GLAUCONITIC A	5 400.0	0.08		432.0		432.0	254.6	177.4
GLAUCONITIC B	500.0	0.10		50.0		50.0	41.5	8.5
GLAUCONITIC C	173.0	<0.01		0.5		0.5	0.5	
GLAUCONITIC G	210.0	<0.01		1.2		1.2	1.2	
OSTRACOD A	78.7	<0.01		0.2		0.2	0.2	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
32	45.00	0.030	0.40	0.83	67	823	62	18 426	-1 203.9	1 774.0	1983	90 12 - GPP
64	62.30	0.014	0.37	0.79	62	850	36	18 495	-1 198.2	1 769.2	1983	92 10
32	44.37	0.040	0.18	0.79	62	823	58	19 675	-1 299.3	1 882.5	1984	90 12 - GPP
32	28.50	0.030	0.31	0.79	80	843	58	16 994	-1 203.2	1 776.5	1984	91 12
32	46.20	0.040	0.28	0.79	80	843	59	17 809	-1 190.6	1 761.9	1984	90 12 - GPP
64	17.40	0.040	0.26	0.79	88	903	54	19 065	-1 227.1	1 799.3	1984	88 12 - ABAND 89 07
32	31.70	0.030	0.27	0.79	78	840	60	18 351	-1 217.6	1 803.4	1984	92 03 - ABAND 91 12
32	66.40	0.040	0.44	0.79	72	827	64	12 730	-1 215.8	1 787.8	1984	91 12 - GPP
32	21.40	0.035	0.22	0.83	62	855	60	19 069	-1 239.6	1 813.8	1984	93 02 - ABAND 92 11
20	30.98	0.053	0.20	0.79	78	827	59	17 886	-1 232.9	1 804.9	1984	93 12 - GPP
64	19.70	0.030	0.40	0.83	62	857	58	18 536	-1 209.8	1 783.1	1984	85 05 - ABAND 87 02
16	82.00	0.020	0.45	0.83	62	843	60	17 764	-1 197.9	1 769.4	1985	91 12 - GPP
16	81.50	0.025	0.35	0.83	62	843	60	17 822	-1 207.2	1 782.5	1985	90 12 - ABAND 88 10
16	52.80	0.050	0.15	0.83	62	843	60	18 322	-1 215.7	1 802.7	1985	91 02
16	7.50	0.040	0.40	0.83	62	843	60	16 802	-1 193.2	1 775.3	1985	90 12
64	30.70	0.010	0.50	0.81	77	843	59	17 828	-1 209.7	1 783.3	1985	86 03 - ABAND 87 08
32	21.90	0.045	0.22	0.83	62	843	60	16 783	-1 191.4	1 776.4	1986	90 12 - GPP
16	100.10	0.050	0.24	0.81	77	847	60	17 256	-1 253.0	1 824.8	1987	90 12 - ABAND 90 10
20	54.30	0.060	0.28	0.83	62	844	60	17 392	-1 220.1	1 796.6	1987	93 12 - GPP
32	53.90	0.040	0.19	0.81	77	858	59	17 308	-1 236.7	1 813.3	1987	92 09 - GPP
32	44.10	0.041	0.12	0.83	62	815	60	18 461	-1 193.7	1 771.5	1987	90 12 - GPP
16	8.73	0.040	0.31	0.86	62	845	60	17 077	-1 167.9	1 742.2	1987	90 12 - ABAND 89 09
16	33.60	0.040	0.18	0.81	77	859	55	17 721	-1 105.5	1 698.4	1988	90 12 - GPP
16	12.65	0.030	0.24	0.86	77	859	60	18 528	-1 180.9	1 751.5	1985	90 12 - GPP
32	15.30	0.050	0.16	0.83	62	845	60	16 627	-1 156.8	1 732.2	1989	93 12 - GPP
32	24.90	0.030	0.19	0.83	62	833	60	17 186	-1 210.5	1 782.1	1989	90 12
16	23.00	0.090	0.18	0.83	62	845	60	19 602	-1 282.9	1 854.5	1989	90 12 - GPP
16	89.40	0.050	0.17	0.83	62	845	60	16 834	-1 201.8	1 782.7	1989	93 12
16	28.20	0.080	0.14	0.83	62	845	60	18 789	-1 220.9	1 801.9	1989	92 12 - ABAND 92 01
16	92.70	0.040	0.19	0.83	62	845	60	17 730	-1 221.5	1 799.8	1989	90 12 - GPP
16	6.90	0.023	0.20	0.83	62	833	60	18 349	-1 223.2	1 808.5	1989	90 04 - ABAND 90 07
32	6.20	0.060	0.26	0.83	62	845	60	18 018	-1 153.9	1 724.3	1989	92 10 - ABAND 92 08
16	32.40	0.040	0.25	0.86	77	859	60	17 855	-1 196.2	1 764.6	1988	90 12 - GPP
64	7.80	0.040	0.30	0.83	62	845	60	18 276	-1 215.4	1 796.1	1990	91 12
16	13.80	0.059	0.26	0.83	62	849	61	17 382	-1 246.4	1 838.1	1990	91 05 - GPP
32	51.30	0.012	0.30	0.83	62	845	60	17 846	-1 197.5	1 775.4	1990	91 07 - GPP
32	21.90	0.025	0.32	0.86	55	829	57	18 881	-1 248.1	1 829.6	1990	91 07 - GPP
32	34.70	0.014	0.24	0.86	55	829	57	18 481	-1 220.0	1 794.5	1990	93 04 - ABAND 93 01
64	61.60	0.010	0.28	0.86	55	829	57	18 276	-1 234.1	1 811.0	1990	93 12 - GPP
16	44.90	0.050	0.20	0.86	55	829	57	17 542	-1 196.7	1 774.6	1990	91 11 - GPP
32	40.80	0.045	0.26	0.83	62	845	60	17 427	-1 212.7	1 799.7	1988	91 02
32	22.10	0.060	0.22	0.83	62	845	60	16 074	-1 212.6	1 790.8	1990	91 02
16	46.80	0.046	0.16	0.83	62	845	60	17 534	-1 210.7	1 789.8	1990	93 12
32	20.10	0.050	0.27	0.81	77	858	60	17 129	-1 210.0	1 786.3	1991	91 05
64	16.80	0.030	0.23	0.83	62	845	60	16 448	-1 174.5	1 751.4	1991	93 12
32	32.10	0.020	0.31	0.83	62	848	61	18 857	-1 232.2	1 811.0	1991	92 03 - ABAND 91 09
16	18.00	0.050	0.19	0.83	62	848	61	17 252	-1 172.6	1 751.8	1990	93 12 - GPP
32	12.00	0.040	0.28	0.83	62	848	61	17 668	-1 174.1	1 750.9	1991	91 08
32	15.10	0.040	0.18	0.83	62	845	60	17 022	-1 170.3	1 741.5	1991	92 07 - GPP
16	14.10	0.070	0.18	0.86	55	829	57	18 698	-1 230.8	1 800.0	1991	92 10 - GPP
32	18.90	0.040	0.28	0.86	55	829	57	17 313	-1 260.4	1 838.2	1991	92 03 - GPP
32	5.20	0.040	0.40	0.86	55	829	57	17 225	-1 216.2	1 795.0	1991	92 09 - GPP
32	9.60	0.050	0.24	0.83	62	845	60	17 241	-1 241.5	1 812.2	1991	92 04 - GPP
32	10.00	0.020	0.40	0.86	55	829	57	17 090	-1 199.7	1 780.0	1991	92 11 - GPP
32	45.00	0.040	0.26	0.81	77	859	60	17 534	-1 210.7	1 789.8	1983	92 07 - ABAND 90 10
16	24.20	0.090	0.34	0.83	62	854	60	16 464	-1 177.0	1 749.5	1985	92 12 - GPP
32	12.50	0.040	0.23	0.83	62	845	60	18 104	-1 204.9	1 781.7	1992	92 11 - GPP
64	1.24	0.185	0.40	0.85	68	844	49	14 975	-932.3	1 664.4	1987	91 12
736	9.22	0.130	0.28	0.85	86	849	54	12 314	-728.2	1 491.8	1979	92 02
64	6.79	0.180	0.17	0.77	66	867	63	12 323	-702.3	1 451.2	1973	88 03 - GPP
32	7.24	0.148	0.29	0.71	110	868	60	12 506	-749.8	1 534.7	1979	92 11
16	12.90	0.133	0.15	0.90	95	866	62	11 740	-633.2	1 360.3	1985	92 12 - GPP
64	1.54	0.152	0.30	0.75	110	866	53	12 236	-740.9	1 511.0	1981	87 12 - ABAND 90 08

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
THORSBY 049-01W5 (CONTINUED) FIELD TOTAL	6 361.7			483.9		483.9	298.0	185.9
THREE HILLS CREEK 035-25W4								
VIKING B	105.0	0.20		21.0		21.0	14.9	6.1
PEKISKO	66.0	<0.03		1.6		1.6	1.6	
PEKISKO B	752.0	0.10		75.2		75.2	40.7	34.5
D-2 A	82.1	0.20		16.4		16.4	6.9	9.5
D-3 A	193.0	<0.01		0.7		0.7	0.7	
FIELD TOTAL	1 198.1			114.9		114.9	64.8	50.1
TINDASTOLL 036-01W5								
BELLY RIVER A	2 798.0	0.10		280.0		280.0	147.6	132.4
BELLY RIVER B	120.0	0.03		3.6		3.6	3.0	0.6
BELLY RIVER C	248.0	<0.01		0.1		0.1	0.1	
BELLY RIVER E	275.0	<0.01		0.1		0.1	0.1	
BELLY RIVER F	442.0	0.02		8.8		8.8	1.1	7.7
BELLY RIVER G	87.4	<0.01		0.1		0.1	0.1	
VIKING A	58.2	0.15		8.7		8.7	5.0	3.7
VIKING B & LOWER MANNVILLE B	149.0	0.05		7.5		7.5	1.3	6.2
LOWER MANNVILLE A	122.0	<0.01		0.4		0.4	0.4	
PEKISKO A	114.0	0.03		3.4		3.4	2.4	1.0
FIELD TOTAL	4 413.6			312.7		312.7	161.1	151.6
TOMAHAWK 052-05W5								
OSTRACOD A	586.0	0.20		117.0		117.0	59.0	58.0
OSTRACOD B	218.0	0.15		32.7		32.7	20.9	11.8
OSTRACOD C	504.0	0.15		75.6		75.6	36.2	39.4
OSTRACOD F	491.0	0.15		73.7		73.7	19.9	53.8
OSTRACOD G	270.0	0.10		27.0		27.0	7.5	19.5
OSTRACOD I	191.0	0.10		19.1		19.1	1.8	17.3
OSTRACOD D & E	566.0	0.10		56.6		56.6	37.8	18.8
NORDEGG A	1 250.0	0.05		62.5		62.5	27.0	35.5
NORDEGG B	1 468.0	0.10		147.0		147.0	54.9	92.1
BANFF B & C								
NORDEGG C & BANFF D	374.0	0.10		37.4		37.4	17.0	20.4
BANFF A	150.0	<0.01		0.1		0.1	0.1	
BANFF E	28.5	0.10		2.9		2.9	0.6	2.3
FIELD TOTAL *	6 096.5			651.6		651.6	282.7	368.9
TONY CREEK NORTH 064-21W5								
VIKING A	105.0	<0.01		0.4		0.4	0.4	
GETHING C	265.0	0.03		8.0		8.0	5.6	2.4
FIELD TOTAL	370.0			8.4		8.4	6.0	2.4
TRAVERS 013-21W4								
BOW ISLAND A	131.0	<0.01		1.1		1.1	1.1	
BOW ISLAND B	101.0	0.10		10.1		10.1	1.3	8.8
FIELD TOTAL	232.0			11.2		11.2	2.4	8.8
TROCHU 033-22W4								
BASAL QUARTZ A	922.0	0.05		46.1		46.1	32.6	13.5
BASAL QUARTZ B	762.0	0.03		22.9		22.9	11.3	11.6
BASAL QUARTZ D	71.4	0.05		3.6		3.6	0.6	3.0
FIELD TOTAL	1 755.4			72.6		72.6	44.5	28.1
TROUT 090-03W5								
KEG RIVER A	1 708.0	0.20		342.0		342.0	286.7	55.3
KEG RIVER C	815.0	0.25		204.0		204.0	68.3	135.7
KEG RIVER D	70.7	<0.01		0.4		0.4	0.4	
KEG RIVER F	80.8	<0.01		0.1		0.1		0.1
KEG RIVER G	121.0	0.06		7.3		7.3	3.1	4.2
KEG RIVER H	132.0	<0.01		0.1		0.1	0.1	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
192	1.13	0.100	0.43	0.85	67	822	56	8 429	-641.9	1 590.7	1987	91 01
65	5.58	0.037	0.40	0.82	71	860	66	11 503	-864.2	1 794.1	1953	73 02
256	7.76	0.060	0.24	0.83	63	774	64	11 631	-881.2	1 856.3	1984	88 04 - GPP
64	4.70	0.050	0.22	0.70	130	841	65	17 233	-1 169.8	2 150.5	1984	84 11 - GPP
64	9.50	0.080	0.25	0.53	291	763	62	17 199	-1 277.0	2 233.5	1980	88 12
904	3.50	0.150	0.33	0.88	50	827	40	6 047	-252.4	1 177.2	1980	85 09 - GPP
16	9.80	0.150	0.42	0.88	52	865	35	5 742	-273.0	1 184.3	1981	92 12 - GPP
64	3.70	0.170	0.30	0.88	36	876	43	6 167	-261.3	1 197.2	1983	83 07 - ABAND 83 05
64	4.10	0.170	0.30	0.88	36	815	43	5 171	-235.7	1 160.0	1983	83 07 - ABAND 83 09
64	10.20	0.140	0.45	0.88	36	815	43	5 686	-282.2	1 191.2	1983	89 12 - GPP
64	2.30	0.150	0.55	0.88	36	815	43	6 211	-266.8	1 179.1	1988	89 02 - ABAND 89 06
64	0.80	0.220	0.37	0.82	68	844	64	14 246	-818.8	1 767.6	1987	88 12
64	3.40	0.110	0.19	0.77	85	851	74	9 515	-1 000.8	1 910.5	1988	88 12
16	13.00	0.120	0.30	0.70	155	897	70	15 849	-1 059.7	1 997.8	1981	92 11 - ABAND 82 09
32	5.20	0.110	0.20	0.78	85	890	70	15 452	-1 098.8	2 039.1	1982	92 12
467	1.84	0.130	0.31	0.76	115	882	61	15 610	-901.3	1 731.1	1987	92 05 - GPP
64	3.30	0.140	0.17	0.89	91	834	65	15 667	-877.5	1 695.8	1989	89 10 - GPP
128	3.91	0.160	0.16	0.75	50	909	50	15 114	-861.2	1 666.2	1989	91 08 - GPP
64	5.20	0.210	0.10	0.78	73	875	68	15 029	-864.7	1 642.6	1990	90 12 - GPP
32	7.40	0.180	0.29	0.89	91	975	65	14 438	-867.3	1 703.0	1990	91 09
64	4.52	0.140	0.37	0.75	115	839	61	14 848	-864.4	1 682.4	1990	91 05
128	5.12	0.160	0.29	0.76	115	868	61	15 480	-886.1	1 710.8	1988	93 10 - GPP
277	4.93	0.180	0.34	0.77	115	887	53	15 209	-843.6	1 652.0	1981	87 12 - GPP
128	12.20	0.165	0.33	0.85	40	945	51	15 167	-823.5	1 585.3	1984	87 04 - GPP
48	6.17	0.190	0.20	0.83	60	950	51	12 109	-797.8	1 536.3	1986	88 04
64	5.00	0.090	0.40	0.87	100	885	50	15 947	-822.5	1 620.6	1985	86 01 - ABAND 87 05
16	1.69	0.200	0.38	0.85	54	950	52	16 070	-835.6	1 656.7	1987	88 07 - GPP
16	10.00	0.130	0.40	0.84	70	844	47	10 879	-771.8	1 577.5	1984	92 10
64	6.16	0.120	0.30	0.80	74	887	82	14 873	-1 106.1	1 880.3	1977	85 12 - GPP
64	1.80	0.160	0.20	0.89	70	882	32	7 595	-122.0	1 057.4	1977	87 12 - ABAND 88 10
64	1.20	0.190	0.22	0.89	46	876	32	5 360	-109.6	1 023.4	1991	92 05
64	15.41	0.200	0.45	0.85	60	873	52	9 001	-626.7	1 489.6	1969	78 12 - GPP
128	6.83	0.180	0.43	0.85	52	873	49	8 903	-640.2	1 520.0	1982	85 12 - GPP
32	2.90	0.170	0.48	0.87	42	887	70	8 965	-621.5	1 494.5	1990	91 04 - GPP
973	2.86	0.100	0.34	0.93	23	835	39	13 404	-669.5	1 365.3	1984	93 03 - GPP
431	3.97	0.080	0.36	0.93	38	834	39	13 931	-687.8	1 462.3	1985	93 10 - GPP
64	3.04	0.071	0.45	0.93	38	827	39	13 874	-684.7	1 443.6	1985	89 12 - ABAND 90 06
64	2.42	0.092	0.39	0.93	23	832	39	12 958	-663.8	1 291.8	1986	89 12
50	4.25	0.090	0.32	0.93	23	847	39	14 102	-696.8	1 484.5	1986	93 09 - GPP
64	3.10	0.115	0.38	0.93	23	843	39	13 689	-683.5	1 427.0	1985	88 12 - ABAND 90 06

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
TROUT 090-03W5 (CONTINUED)								
KEG RIVER J	180.0	0.35		63.0		63.0	43.7	19.3
KEG RIVER K	566.0	0.35		198.0		198.0	99.2	98.8
KEG RIVER N	2 019.0	0.25		505.0		505.0	238.6	266.4
KEG RIVER O	217.0	0.10		21.7		21.7	5.0	16.7
KEG RIVER P	1 894.0	0.30		568.0		568.0	203.6	364.4
KEG RIVER R	192.0	0.15		28.8		28.8	6.6	22.2
KEG RIVER S	92.7	0.20		18.5		18.5	6.9	11.6
KEG RIVER T	139.0	0.05		7.0		7.0	0.6	6.4
KEG RIVER U	245.0	0.05		12.3		12.3	1.8	10.5
KEG RIVER V	69.3	0.25		17.3		17.3	4.3	13.0
KEG RIVER W	228.0	0.25		57.0		57.0	26.7	30.3
KEG RIVER X	71.2	<0.01		0.1		0.1	0.1	
KEG RIVER Z	189.0	0.25		47.3		47.3	13.9	33.4
KEG RIVER AA	121.0	0.10		12.1		12.1	4.9	7.2
KEG RIVER CC	389.0	0.25		97.3		97.3	14.1	83.2
KEG RIVER DD	419.0	0.20		83.8		83.8	35.4	48.4
KEG RIVER EE	172.0	0.25		43.0		43.0	7.3	35.7
KEG RIVER FF	79.9	0.15		12.0		12.0	5.8	6.2
KEG RIVER GG	40.2	0.15		6.0		6.0	0.9	5.1
KEG RIVER- GRANITE WASH A	1 523.0	0.13		198.0		198.0	164.6	33.4
KEG RIVER- GRANITE WASH B	1 470.0	0.35		515.0		515.0	338.7	176.3
FIELD TOTAL	13 243.8			3 065.1		3 065.1	1 581.3	1 483.8
TURIN 010-18W4								
FISH SCALE B	99.4	0.03		3.0		3.0	1.4	1.6
UPPER MANNVILLE B	386.0	0.10		38.6		38.6	16.2	22.4
UPPER MANNVILLE C	2 060.0	0.35		721.0		721.0	471.8	249.2
UPPER MANNVILLE H WATER FLOOD	2 400.0	0.25	0.10	600.0	234.0	834.0	558.4	275.6
UPPER MANNVILLE I	29.9	0.02		0.6		0.6	0.6	
UPPER MANNVILLE J	1 110.0	0.10		111.0		111.0	86.7	24.3
UPPER MANNVILLE L	51.5	0.10		5.2		5.2	4.1	1.1
UPPER MANNVILLE N	533.0	0.15		80.0		80.0	61.0	19.0
UPPER MANNVILLE P	261.0	0.15		39.2		39.2	5.5	33.7
UPPER MANNVILLE Q	91.1	0.10		9.1		9.1	1.3	7.8
UPPER MANNVILLE R	84.2	0.15		12.6		12.6	6.4	6.2
LOWER MANNVILLE B	198.0	0.02		4.0		4.0	3.3	0.7
LOWER MANNVILLE E	2 039.0	0.25		510.0		510.0	249.8	260.2
LOWER MANNVILLE G	72.8	<0.05		3.1		3.1	3.1	
LOWER MANNVILLE H	731.0	0.02		14.6		14.6	9.4	5.2
LOWER MANNVILLE L	1 670.0	0.15		250.0		250.0	237.0	13.0
LOWER MANNVILLE M	218.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE N	81.3	<0.01		0.6		0.6	0.6	
LOWER MANNVILLE O	92.6	0.05		4.6		4.6	0.7	3.9
LOWER MANNVILLE P	41.8	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE V	483.0	0.10		48.3		48.3	21.8	26.5
LOWER MANNVILLE X	113.0	0.15		17.0		17.0	11.3	5.7
LOWER MANNVILLE BB	96.8	<0.01		0.8		0.8	0.8	
LOWER MANNVILLE CC	799.0	0.10		79.9		79.9	45.6	34.3
LOWER MANNVILLE DD	224.0	0.10		22.4		22.4	21.1	1.3
LOWER MANNVILLE HH	89.2	0.10		8.9		8.9	1.7	7.2
LOWER MANNVILLE II TOTAL	1 542.0			207.0	52.5	260.0	161.5	98.5
PRIMARY AREA	492.0	0.10		49.2		49.2		
WATER FLOOD AREA	1 050.0	0.15	0.05	158.0	52.5	211.0		
LOWER MANNVILLE KK	70.2	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE LL	348.0	0.10		34.8		34.8	11.9	22.9
LOWER MANNVILLE MM	610.0	0.20		122.0		122.0	68.0	54.0
LOWER MANNVILLE NN	138.0	<0.04		5.5		5.5	5.5	
LOWER MANNVILLE OO	48.4	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE PP	57.4	0.10		5.7		5.7	3.6	2.1
LOWER MANNVILLE QQ	257.0	0.10		25.7		25.7	0.7	25.0
LOWER MANNVILLE RR	57.0	0.15		8.6		8.6	7.1	1.5
LOWER MANNVILLE SS	86.5	<0.01		0.7		0.7	0.7	
LOWER MANNVILLE TT	470.0	0.15		70.5		70.5	51.6	18.9
LOWER MANNVILLE EE, FF & GG	667.0	0.20		133.0		133.0	105.7	27.3
LOWER MANNVILLE AAA	133.0	0.13		17.2		17.2	13.3	3.9

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
64	6.55	0.066	0.30	0.93	23	835	39	14 015	-703.4	1 485.4	1987	93 12 - GPP
128	7.05	0.095	0.29	0.93	23	830	39	13 957	-699.7	1 431.4	1987	87 09
384	8.78	0.087	0.26	0.93	23	835	39	13 996	-706.7	1 456.1	1986	88 12
64	8.26	0.079	0.44	0.93	23	842	39	13 930	-701.1	1 447.2	1987	88 01 - GPP
610	4.88	0.090	0.24	0.93	23	830	39	14 269	-726.5	1 466.6	1987	90 01
64	4.50	0.110	0.35	0.93	23	830	39	14 420	-743.4	1 481.4	1987	88 04 - GPP
64	3.95	0.068	0.42	0.93	23	820	39	14 111	-712.0	1 455.0	1987	88 05 - GPP
64	4.50	0.081	0.36	0.93	23	823	39	14 027	-711.4	1 447.4	1987	88 06 - GPP
64	6.30	0.096	0.32	0.93	23	835	39	13 982	-708.0	1 457.7	1987	88 06 - GPP
64	3.60	0.049	0.34	0.93	23	823	39	13 200	-701.0	1 488.2	1987	88 07 - GPP
64	8.40	0.060	0.24	0.93	23	823	39	13 722	-694.3	1 458.4	1987	88 07 - GPP
64	4.60	0.065	0.60	0.93	23	840	39	13 280	-672.0	1 425.6	1986	92 10
64	5.19	0.090	0.32	0.93	23	835	39	13 014	-730.1	1 468.0	1989	89 12
32	9.60	0.070	0.38	0.91	32	824	39	14 993	-730.9	1 467.9	1990	93 12 - GPP
64	6.30	0.140	0.25	0.92	25	825	39	11 683	-708.3	1 457.8	1991	91 07
192	4.31	0.080	0.32	0.93	23	835	39	12 569	-745.1	1 463.5	1991	93 06 - GPP
64	7.50	0.070	0.45	0.93	23	835	39	11 125	-693.8	1 469.2	1991	92 04
32	5.50	0.080	0.39	0.93	23	830	39		-689.7	1 470.8	1992	93 04 - GPP
32	2.60	0.080	0.35	0.93	23	835	39		-699.2	1 443.2	1985	93 05 - GPP
256	14.00	0.070	0.34	0.92	23	831	39	14 790	-711.4	1 490.1	1987	92 12 - GPP
515	5.93	0.075	0.31	0.93	23	834	39	13 801	-687.0	1 463.0	1986	88 10
65	1.22	0.220	0.40	0.95	20	881	27	2 664	136.8	684.6	1975	76 02 - GPP
128	2.71	0.190	0.31	0.85	63	904	31	11 448	-212.4	1 079.3	1973	89 08 - GPP
280	4.62	0.240	0.21	0.84	72	881	32	11 295	-195.8	996.1	1974	92 08
400	5.37	0.200	0.35	0.86	68	869	31	11 315	-199.2	1 010.9	1980	88 04 - GPP
16	2.50	0.150	0.42	0.86	70	869	31	10 469	-187.6	987.0	1983	92 12 - GPP
160	8.84	0.160	0.43	0.86	68	831	31	10 858	-186.6	975.8	1982	92 03 - GPP
64	0.90	0.160	0.35	0.86	68	831	31	10 857	-193.6	1 023.0	1983	83 04 - GPP
128	4.14	0.190	0.37	0.84	72	866	32	11 561	-230.6	1 096.4	1979	92 12 - GPP
16	13.53	0.200	0.30	0.86	68	832	31		-217.9	1 077.1	1992	93 01
16	4.60	0.200	0.28	0.86	68	832	31	9 639	-226.7	1 087.7	1992	92 09
32	1.50	0.240	0.15	0.86	68	832	31		-207.9	1 066.3	1992	93 12 - GPP
100	1.80	0.190	0.32	0.85	62	881	36	11 582	-222.2	1 069.5	1961	92 12
394	4.50	0.190	0.32	0.89	65	887	32	12 184	-231.0	1 096.7	1973	92 03 - GPP
64	1.52	0.160	0.45	0.85	33	876	66	11 711	-226.8	1 072.1	1961	82 12
192	3.15	0.210	0.33	0.86	85	881	32	11 336	-215.7	1 053.1	1974	89 11 - GPP
429	3.70	0.180	0.35	0.90	38	893	32	11 252	-191.0	990.1	1974	85 09 - GPP
65	3.96	0.180	0.50	0.94	25	940	32	10 576	-206.4	1 025.7	1974	82 12
32	2.44	0.180	0.35	0.89	53	887	32	11 226	-208.8	1 008.6	1975	78 07
64	2.16	0.120	0.35	0.86	59	898	34	11 400	-214.0	1 047.0	1976	79 02 - GPP
32	2.50	0.100	0.45	0.95	21	930	33	11 374	-211.1	1 036.5	1977	83 12
256	1.98	0.160	0.30	0.85	110	880	37	11 793	-238.3	1 102.6	1979	83 12 - GPP
155	0.75	0.150	0.28	0.90	38	889	32	11 215	-204.0	1 011.3	1981	88 12 - GPP
16	3.70	0.210	0.18	0.95	20	956	33	10 280	-209.0	1 000.2	1981	93 03 - ABAND 92 07
456	1.32	0.218	0.30	0.87	60	871	31	11 276	-217.6	1 013.4	1980	85 07 - GPP
121	1.50	0.200	0.30	0.88	45	866	49	11 313	-224.8	1 020.4	1980	85 12 - GPP
64	1.50	0.180	0.40	0.86	62	887	32	11 415	-212.2	1 052.2	1974	83 06
473					87	887	35	11 494	-228.0	1 064.0	1973	92 05
200	2.58	0.190	0.38	0.81								
273	4.03	0.190	0.38	0.81								
64	1.70	0.150	0.50	0.86	62	887	32	10 211	-213.0	1 058.5	1983	89 12 - ABAND 90 02
64	5.40	0.180	0.31	0.81	86	817	35	11 606	-223.8	1 073.2	1983	84 07 - GPP
300	1.75	0.180	0.25	0.86	62	887	32	11 701	-243.5	1 094.9	1984	90 11 - GPP
32	2.75	0.240	0.23	0.85	86	887	35	11 125	-224.8	1 069.4	1984	92 10
32	2.00	0.120	0.30	0.90	38	892	32	11 180	-203.5	1 007.5	1984	84 11 - ABAND 87 05
16	2.00	0.240	0.17	0.90	38	892	32	11 070	-197.1	994.6	1984	84 11 - GPP
64	2.50	0.220	0.15	0.86	62	887	32	11 286	-239.9	1 089.5	1984	85 06 - GPP
64	0.92	0.150	0.25	0.86	62	887	32	9 987	-210.9	1 010.3	1984	87 12 - GPP
32	2.00	0.190	0.21	0.90	38	892	32	11 146	-199.5	1 006.0	1985	85 08 - ABAND 86 03
161	2.77	0.180	0.35	0.90	38	893	32	11 200	-203.0	1 008.3	1969	85 09 - GPP
128	3.63	0.190	0.16	0.90	68	889	30	11 135	-208.8	1 007.9	1981	91 12 - GPP
64	1.96	0.190	0.38	0.90	38	892	32	11 214	-221.5	1 067.7	1982	90 12 - GPP

TABLE 2-6

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
TURIN 010-18W4 (CONTINUED)								
LOWER MANNVILLE BBB	738.0	0.20		148.0		148.0	81.3	66.7
LOWER MANNVILLE CCC	102.0	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE FFF	198.0	0.05		9.9		9.9	6.8	3.1
LOWER MANNVILLE GGG	165.0	<0.05		6.8		6.8	6.8	
LOWER MANNVILLE KKK	89.9	0.10		9.0		9.0	5.0	4.0
LOWER MANNVILLE LLL	178.0	0.10		17.8		17.8	1.8	16.0
LOWER MANNVILLE NNN	488.0	0.10		48.8		48.8	18.6	30.2
LOWER MANNVILLE OOO	239.0	0.10		23.9		23.9	3.8	20.1
LOWER MANNVILLE UUU	343.0	0.20		68.6		68.6	45.1	23.5
LOWER MANNVILLE XXX	36.8	0.20		7.4		7.4	2.8	4.6
LOWER MANNVILLE YYY	203.0	0.07		14.2		14.2	9.3	4.9
LOWER MANNVILLE A2A	97.0	0.05		4.9		4.9	0.2	4.7
LOWER MANNVILLE B2B	650.0	0.10		65.0		65.0	38.2	26.8
LOWER MANNVILLE C2C	26.0	0.25		6.5		6.5	3.7	2.8
LOWER MANNVILLE D2D	75.5	<0.03		2.1		2.1	2.1	
LOWER MANNVILLE E2E	52.9	0.20		10.6		10.6		10.6
SAWTOOTH A	21.4	0.15		3.2		3.2	2.5	0.7
SAWTOOTH B	48.8	0.10		4.9		4.9	1.5	3.4
LIVINGSTONE A	389.0	0.25		97.3		97.3	67.9	29.4
LIVINGSTONE B	39.8	<0.01		0.1		0.1	0.1	
FIELD TOTAL	22 721.2			3 765.0	286.5	4 052.0	2 547.5	1 504.5
TURNER VALLEY 020-03W5								
CARDIUM A	266.0	0.05		13.3		13.3	1.6	11.7
BLAIRMORE C	90.7	<0.02		1.8		1.8	1.8	
BLAIRMORE A & B	202.0	0.03		6.1		6.1	5.4	0.7
RUNDLE WATER FLOOD	159 000.0	0.13	0.02	20 670.0	3 180.0	23 850.0	22 884.1	965.9
RUNDLE B	355.0	0.03		10.7		10.7	3.7	7.0
RUNDLE D	262.0	<0.02		3.8		3.8	3.8	
SHALLOW	715.0	0.12		85.8		85.8	64.4	21.4
FIELD TOTAL	160 890.7			20 791.5	3 180.0	23 971.5	22 964.8	1 006.7
TWINING 031-24W4								
UPPER MANNVILLE B	143.0	<0.01		1.0		1.0	1.0	
UPPER MANNVILLE H	1 000.0	0.20		200.0		200.0	90.7	109.3
GLAUCONITIC A	101.0	0.02		2.0		2.0	1.3	0.7
GLAUCONITIC B	75.4	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE B WATER FLOOD	1 810.0	<0.07	0.15	118.0	272.0	390.0	351.6	38.4
LOWER MANNVILLE C	249.0	0.10		24.9		24.9	8.6	16.3
LOWER MANNVILLE F	100.0	0.13		13.0		13.0	11.3	1.7
LOWER MANNVILLE G	236.0	0.15		35.4		35.4	27.7	7.7
LOWER MANNVILLE H	194.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE J	295.0	0.10		29.5		29.5	24.6	4.9
LOWER MANNVILLE M	95.9	0.03		2.9		2.9	2.8	0.1
LOWER MANNVILLE N	215.0	0.10		21.5		21.5	12.5	9.0
LOWER MANNVILLE O	323.0	<0.01		0.7		0.7	0.7	
LOWER MANNVILLE P	164.0	0.20		32.8		32.8	31.3	1.5
LOWER MANNVILLE Q	209.0	0.05		10.5		10.5	3.7	6.8
LOWER MANNVILLE U	140.0	0.15		21.0		21.0	14.8	6.2
LOWER MANNVILLE V	40.0	0.10		4.0		4.0	3.0	1.0
RUNDLE E	117.0	0.10		11.7		11.7	1.4	10.3
RUNDLE F	91.3	<0.01		0.3		0.3	0.3	
RUNDLE G	118.0	<0.01		0.2		0.2	0.2	
RUNDLE H	160.0	<0.01		0.1		0.1	0.1	
RUNDLE I	158.0	0.05		7.9		7.9	0.1	7.8
RUNDLE J	80.4	0.05		4.0		4.0	0.1	3.9
LOWER MANNVILLE A & RUNDLE A	144 800.0	0.05		7 240.0		7 240.0	5 295.4	1 944.6
FIELD TOTAL	150 915.0			7 781.6	272.0	8 053.6	5 883.4	2 170.2
UTIKUMA LAKE 081-09W5								
SLAVE POINT A	197.0	0.10		19.7		19.7	9.9	9.8
SLAVE POINT B	67.1	<0.02		1.0		1.0	1.0	
SLAVE POINT C	128.0	<0.02		2.4		2.4	2.4	
SLAVE POINT D	184.0	0.05		9.2		9.2	3.9	5.3
SLAVE POINT E	106.0	0.25		26.5		26.5	6.2	20.3

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
380	2.63	0.160	0.43	0.81	86	890	35	11 173	-218.4	1 075.0	1983	92 10 - GPP
64	1.30	0.190	0.28	0.90	38	892	37	11 844	-206.0	1 013.2	1985	92 10 - ABAND 92 08
128	2.06	0.160	0.42	0.81	86	890	35	11 784	-231.7	1 016.3	1986	89 04 - GPP
64	2.10	0.220	0.31	0.81	87	887	35	11 578	-228.8	1 081.6	1974	93 02 - ABAND 92 11
64	1.70	0.170	0.40	0.81	86	890	35	11 871	-208.7	978.8	1988	91 12 - GPP
64	2.00	0.200	0.27	0.95	17	880	29	10 918	-219.4	1 073.0	1988	88 10 - GPP
191	2.93	0.190	0.44	0.82	84	887	32	10 866	-214.3	1 017.9	1988	90 06 - GPP
64	3.50	0.200	0.35	0.82	84	887	32	10 843	-211.5	1 002.8	1988	89 03 - GPP
177	2.20	0.160	0.32	0.81	86	891	35	10 890	-231.2	1 098.3	1980	93 09
16	2.40	0.190	0.44	0.90	38	902	32	10 635	-200.8	1 004.0	1990	91 01 - GPP
64	3.50	0.170	0.35	0.82	84	887	32	11 141	-214.4	1 066.6	1979	93 09 - GPP
16	4.80	0.180	0.22	0.90	37	892	32	10 966	-240.0	1 095.2	1990	91 07
222	3.46	0.180	0.42	0.81	87	887	35	10 128	-217.5	1 030.5	1985	92 05 - GPP
16	2.00	0.180	0.45	0.82	84	887	32	10 460	-230.7	1 091.1	1991	93 12 - GPP
16	4.27	0.210	0.44	0.94	19	886	43	11 375	-228.3	1 052.8	1975	93 09 - GPP
16	4.00	0.170	0.40	0.81	83	890	35	-230.8	1 089.1	1968	93 10	
16	1.50	0.160	0.36	0.87	53	875	28	11 394	-247.8	1 095.3	1988	88 12 - GPP
16	2.90	0.220	0.45	0.87	53	875	28	10 683	-226.8	1 020.7	1990	90 12 - GPP
178	2.10	0.180	0.32	0.85	63	887	42	11 306	-224.9	1 082.7	1987	92 06 - GPP
64	3.00	0.050	0.50	0.83	83	842	29	11 448	-242.2	1 022.0	1986	91 09 - ABAND 91 01
64	6.40	0.090	0.15	0.85	50	808	77	9 669	-816.7	2 094.1	1988	89 06 - GPP
65	2.44	0.110	0.20	0.65	117	784	56	12 763	-236.5	1 522.5	1976	82 12 - GPP
16	16.76	0.117	0.12	0.73	83	806	52	11 878	-115.2	1 363.4	1975	93 12 - GPP
6 763	47.55	0.082	0.10	0.67	148	825	60	18 509	-971.1	2 226.2	1917	90 12 - GPP
64	28.50	0.044	0.34	0.67	146	824	66	26 925	-1 856.9	3 093.6	1981	85 12 - GPP
16	44.87	0.065	0.25	0.75	112	825	71	24 750	-1 898.3	3 175.7	1969	92 11 - ABAND 86 10
					80	811	41			1 460.0	1910	68 07 - GPP
64	2.46	0.170	0.35	0.82	80	839	36	10 394	-702.2	1 577.0	1974	77 05 - ABAND 77 05
112	8.05	0.180	0.23	0.80	51	887	42	10 334	-712.5	1 591.2	1981	88 11
64	2.50	0.150	0.50	0.84	50	895	49	10 347	-705.2	1 568.8	1981	90 12 - GPP
64	1.80	0.140	0.45	0.85	54	895	41	10 705	-719.3	1 620.0	1973	82 08 - GPP
1 373	1.67	0.137	0.28	0.80	79	876	52	11 844	-705.2	1 581.4	1960	93 12 - GPP
65	3.33	0.180	0.22	0.82	53	887	59	10 086	-702.2	1 586.7	1970	77 11 - GPP
125	1.03	0.150	0.35	0.80	85	869	57	11 071	-745.8	1 630.6	1977	93 12 - GPP
64	4.00	0.150	0.25	0.82	78	886	53	11 624	-718.2	1 597.4	1980	91 01 - GPP
64	2.40	0.220	0.30	0.82	78	875	50	11 247	-739.7	1 626.7	1973	83 12 - ABAND 90 08
128	3.11	0.140	0.34	0.80	80	873	50	10 736	-701.9	1 538.2	1965	85 12 - GPP
64	1.53	0.170	0.28	0.80	79	876	52	11 810	-708.5	1 537.6	1977	87 07 - GPP
64	2.80	0.200	0.25	0.80	74	883	50	9 774	-708.8	1 585.2	1980	81 08 - GPP
64	5.00	0.180	0.30	0.80	51	887	42	17 990	-732.7	1 624.5	1982	88 11
64	2.15	0.200	0.30	0.85	66	865	61	9 657	-672.4	1 506.4	1961	89 11 - GPP
64	5.50	0.120	0.43	0.87	47	863	62	9 680	-681.0	1 515.2	1983	90 04 - GPP
70	2.30	0.130	0.23	0.87	74	875	50	10 291	-712.9	1 587.9	1987	90 10
32	1.38	0.150	0.27	0.83	74	875	50	11 220	-697.6	1 575.7	1987	89 10
64	6.30	0.051	0.30	0.81	78	868	61	11 748	-812.7	1 731.3	1988	88 08 - GPP
64	5.80	0.050	0.40	0.82	72	869	59	11 933	-837.3	1 753.1	1978	79 05
64	6.10	0.060	0.38	0.81	78	868	61	11 855	-853.6	1 767.5	1988	88 10 - ABAND 88 10
64	7.10	0.070	0.38	0.81	78	868	61	12 095	-854.8	1 755.9	1989	89 12 - ABAND 89 09
64	7.50	0.070	0.42	0.81	78	868	61		-835.1	1 734.0	1990	90 07
32	13.10	0.060	0.61	0.82	66	876	61	12 790	-858.2	1 780.7	1991	93 01
31 053	12.56	0.063	0.29	0.83	66	876	61	11 425	-766.9	1 660.3	1952	87 07 - GPP
64	6.50	0.080	0.35	0.91	28	843	49	12 608	-972.2	1 639.0	1982	86 12 - GPP
64	2.40	0.080	0.40	0.91	27	843	50	14 357	-965.7	1 632.6	1983	89 12 - ABAND 88 09
64	6.10	0.060	0.40	0.91	28	843	48	9 441	-969.2	1 631.9	1983	92 10
64	7.60	0.064	0.35	0.91	28	843	49	15 229	-970.7	1 635.9	1983	86 12 - GPP
64	4.00	0.070	0.35	0.91	27	840	51	16 792	-979.7	1 646.6	1984	84 10 - GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	103m3	frac	frac	103m3	103m3	103m3	103m3	103m3
UTIKUMA LAKE 081-09W5 (CONTINUED)								
SLAVE POINT F	105.0	<0.01		0.1		0.1	0.1	
SLAVE POINT G	55.5	<0.02		0.9		0.9	0.9	
SLAVE POINT H	214.0	0.15		32.1		32.1	25.6	6.5
SLAVE POINT I	73.6	0.20		14.7		14.7	5.7	9.0
SLAVE POINT J	223.0	0.05		11.2		11.2	7.2	4.0
GILWOOD D TOTAL	838.0			126.0	40.0	166.0	147.6	18.4
PRIMARY AREA	438.0	0.15		65.7		65.7		
WATER FLOOD AREA	400.0	0.15	0.10	60.0	40.0	100.0		
GILWOOD E	84.3	<0.01		0.6		0.6	0.6	
KEG RIVER	20 000.0			9 149.0	51.4	9 200.0	7 444.8	1 755.2
SAND A TOTAL								
PRIMARY AREA	19 490.0	<0.47		9 046.0		9 046.0		
WATER FLOOD AREA	514.0	0.20	0.10	103.0	51.4	154.0		
KEG RIVER SAND H	256.0	0.35		89.6		89.6	69.4	20.2
KEG RIVER SAND I	995.0	0.35		348.0		348.0	294.4	53.6
KEG RIVER SAND M	1 520.0	0.25		380.0		380.0	278.9	101.1
KEG RIVER SAND N	5 525.0	0.45		2 486.0		2 486.0	1 783.0	703.0
KEG RIVER SAND O	220.0	0.10		22.0		22.0	20.2	1.8
KEG RIVER SAND P	296.0	0.05		14.8		14.8	12.8	2.0
KEG RIVER SAND R	247.0	0.35		86.4		86.4	65.4	21.0
KEG RIVER SAND S	365.0	0.35		128.0		128.0	73.5	54.5
KEG RIVER SAND T	459.0	0.35		161.0		161.0	106.4	54.6
KEG RIVER SAND U	2 350.0	0.11		259.0		259.0	223.2	35.8
KEG RIVER SAND V	889.0	0.30		267.0		267.0	243.2	23.8
KEG RIVER SAND AA	116.0	0.10		11.6		11.6	8.3	3.3
KEG RIVER SAND DD	342.0	0.25		85.6		85.6	38.1	47.5
KEG RIVER SAND EE	644.0	0.30		193.0		193.0	96.9	96.1
KEG RIVER SAND GG	39.5	<0.01		0.1		0.1	0.1	
KEG RIVER SAND HH	67.9	<0.03		1.4		1.4	1.4	
KEG RIVER SAND II	180.0	0.11		19.8		19.8	15.0	4.8
KEG RIVER SAND JJ	262.0	0.03		7.9		7.9	3.3	4.6
KEG RIVER SAND KK	190.0	0.25		47.5		47.5	28.6	18.9
KEG RIVER SAND MM	741.0	0.30		222.0		222.0	151.2	70.8
KEG RIVER SAND OO	31.4	0.30		9.4		9.4	4.0	5.4
KEG RIVER SAND QQ	220.0	0.45		99.0		99.0	66.0	33.0
FIELD TOTAL	38 231.3			14 332.5	91.4	14 423.5	11 239.2	3 184.3
VALHALLA 075-10W6								
DOE CREEK I TOTAL	44 900.0			3 472.0	4 015.0	7 487.0	3 370.8	4 116.2
PRIMARY AREA	28 450.0	0.07		1 992.0		1 992.0		
WATER FLOOD AREA	16 450.0	0.09	0.25	1 480.0	4 015.0	5 495.0		
DOE CREEK K	336.0	0.10		33.6		33.6	21.0	12.6
DOE CREEK L	814.0	0.05		40.7		40.7	26.8	13.9
DOE CREEK M	681.0	0.03		20.4		20.4	17.7	2.7
DOE CREEK N	64.4	0.12		7.7		7.7	7.1	0.6
DOE CREEK O	144.0	0.10		14.4		14.4	2.0	12.4
DOE CREEK V	1 812.0	0.10		181.0		181.0	65.6	115.4
DOE CREEK T & U	4 970.0	0.10		497.0		497.0	121.0	376.0
GETHING C	68.6	<0.02		0.9		0.9	0.9	
CHARLIE LAKE C	44.7	0.20		8.9		8.9	7.5	1.4
CHARLIE LAKE D	103.0	0.10		10.3		10.3	6.7	3.6
CHARLIE LAKE H	3 076.0	0.15		461.0		461.0	143.7	317.3
CHARLIE LAKE I	322.0	0.10		32.2		32.2	13.1	19.1
CHARLIE LAKE J	138.0	0.15		20.7		20.7	7.4	13.3
CHARLIE LAKE K	94.5	0.20		18.9		18.9	16.5	2.4
CHARLIE LAKE L	120.0	0.15		18.0		18.0	7.0	11.0
CHARLIE LAKE M	326.0	0.10		32.6		32.6	8.4	24.2
CHARLIE LAKE O	99.6	0.15		14.9		14.9	5.5	9.4
CHARLIE LAKE P	153.0	0.10		15.3		15.3	0.9	14.4
BOUNDARY B	2 170.0	0.10		217.0		217.0	143.3	73.7
BOUNDARY D	557.0	0.17		94.7		94.7	84.2	10.5
BOUNDARY F	83.5	<0.02		1.2		1.2	1.2	
BOUNDARY H	377.0	0.10		37.7		37.7	28.3	9.4
BOUNDARY I	415.0	0.17		70.6		70.6	59.5	11.1
BOUNDARY J	138.0	0.15		20.7		20.7	10.9	9.8
BOUNDARY K	34.5	0.15		5.2		5.2	0.4	4.8
BOUNDARY L	41.7	0.15		6.3		6.3	2.3	4.0
BOUNDARY M	897.0	0.20		179.0		179.0	57.3	121.7
BOUNDARY A & CHARLIE LAKE A	528.0	0.15		79.2		79.2	36.1	43.1

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
64	4.50	0.080	0.50	0.91	27	848	51	17 007	-985.9	1 672.9	1984	89 12 - ABAND 90 10
32	4.00	0.070	0.32	0.91	27	848	51	16 689	-987.8	1 680.5	1984	91 10 - ABAND 88 09
64	9.30	0.060	0.31	0.87	46	840	43	16 235	-950.1	1 646.6	1984	93 12 - GPP
64	4.20	0.050	0.34	0.83	67	837	43	15 826	-965.2	1 642.8	1983	84 11 - GPP
64	6.00	0.115	0.42	0.87	45	849	45	16 036	-891.0	1 545.5	1984	92 07 - GPP
576					71	819	49	17 633	-1 065.4	1 725.2	1966	91 12 - GPP
320	1.84	0.130	0.31	0.83								
256	2.73	0.106	0.35	0.83								
64	1.24	0.160	0.20	0.83	62	830	48	14 056	-1 042.5	1 692.9	1977	92 10
4 398					65	820	49	18 358	-1 080.5	1 725.9	1963	93 05
4 264	3.41	0.190	0.15	0.83								
134	3.63	0.175	0.29	0.85								- GPP
84	2.70	0.190	0.30	0.85	65	825	49	15 536	-1 085.0	1 742.1	1977	81 11 - GPP
150	6.13	0.190	0.33	0.85	65	820	49	15 074	-1 098.9	1 745.5	1977	92 12
448	3.14	0.187	0.32	0.85	65	825	52	17 518	-1 072.5	1 729.2	1973	86 10
805	5.00	0.190	0.15	0.85	65	820	49	15 593	-1 091.4	1 737.1	1976	93 10
64	3.50	0.175	0.34	0.85	65	810	49	15 710	-1 083.7	1 754.8	1979	93 12 - GPP
64	5.29	0.145	0.29	0.85	65	824	48	16 831	-1 073.3	1 729.9	1979	86 12 - GPP
100	2.20	0.186	0.29	0.85	65	825	43	14 048	-1 091.9	1 740.3	1979	93 12
128	2.74	0.180	0.32	0.85	59	820	45	15 147	-1 058.9	1 715.2	1980	82 05 - GPP
64	7.09	0.170	0.30	0.85	65	836	49	13 796	-1 098.2	1 739.2	1981	93 12 - GPP
320	7.16	0.180	0.33	0.85	58	827	50	15 983	-1 072.3	1 737.7	1980	92 12
313	2.73	0.180	0.32	0.85	65	825	49	16 429	-1 071.1	1 735.6	1979	92 07 - GPP
64	1.60	0.190	0.30	0.85	57	820	44	12 727	-1 097.2	1 746.7	1983	86 12 - GPP
64	4.32	0.230	0.36	0.84	78	822	50	14 141	-1 070.0	1 732.3	1988	89 10
262	2.50	0.180	0.35	0.84	67	830	41	17 102	-1 053.4	1 731.5	1978	92 03
64	1.20	0.110	0.45	0.85	65	844	52	12 702	-1 101.7	1 744.2	1984	85 05 - ABAND 85 11
64	3.20	0.060	0.35	0.85	55	825	45	15 313	-1 078.5	1 744.5	1980	83 09 - ABAND 87 11
64	3.30	0.152	0.30	0.80	78	824	50	16 769	-1 045.1	1 743.5	1988	91 09
64	4.40	0.168	0.34	0.84	65	822	49	11 302	-1 111.4	1 774.3	1988	91 12
64	3.90	0.180	0.47	0.80	78	845	50	13 194	-1 081.1	1 730.8	1987	88 11 - GPP
192	3.48	0.200	0.34	0.84	78	824	50	14 141	-1 069.9	1 730.3	1983	92 07
32	1.50	0.140	0.40	0.78	78	824	50	15 432	-1 075.3	1 740.7	1991	92 04 - GPP
45	3.84	0.220	0.32	0.85	65	800	49		-1 089.8	1 734.4	1983	93 10
15 697					19	858	29	4 480	57.1	734.2	1977	91 12
11 939	2.25	0.230	0.51	0.94								
3 758	4.05	0.230	0.50	0.94								
128	2.15	0.240	0.44	0.91	22	845	28	4 108	117.0	722.0	1984	87 03
332	2.21	0.200	0.37	0.88	49	840	24	5 347	116.4	709.1	1978	91 01
256	2.15	0.200	0.35	0.95	18	834	24	4 736	233.1	643.5	1985	91 12 - GPP
64	1.00	0.176	0.35	0.88	43	840	27	4 779	212.2	571.9	1983	91 12 - GPP
64	2.10	0.200	0.43	0.94	22	840	29	4 634	196.0	717.5	1987	88 04
379	2.46	0.270	0.20	0.90	28	807	30	3 871	203.1	691.5	1992	93 05
1 157	3.36	0.200	0.32	0.94	22	841	29	4 494	179.1	690.0	1990	93 09 - GPP
64	2.00	0.130	0.45	0.75	100	847	60	14 195	-864.4	1 642.8	1983	86 02 - ABAND 88 01
80	0.80	0.120	0.18	0.71	125	836	58	19 048	-1 208.7	2 004.1	1984	87 12
64	2.00	0.120	0.14	0.78	80	817	64	19 088	-1 027.1	1 958.2	1984	84 12 - GPP
1 420	3.16	0.106	0.16	0.77	100	800	73	17 672	-1 189.3	1 979.7	1984	88 08
64	3.70	0.200	0.15	0.80	70	836	75	18 081	-1 247.8	2 009.2	1982	86 02 - GPP
64	2.00	0.180	0.20	0.75	100	840	68	19 013	-1 226.5	2 103.8	1986	86 10 - GPP
80	1.60	0.120	0.18	0.75	100	865	60	18 276	-1 096.7	1 912.8	1984	87 12 - GPP
64	3.50	0.093	0.28	0.80	100	829	73	19 012	-1 118.8	1 950.5	1986	87 02
64	4.40	0.165	0.10	0.78	145	839	73	19 337	-1 267.1	2 020.2	1986	86 12 - GPP
64	1.30	0.170	0.12	0.80	165	832	69	17 942	-1 072.0	1 912.9	1988	89 05 - GPP
64	3.50	0.150	0.41	0.77	100	829	73	19 160	-1 035.9	1 897.6	1988	91 02
1 070	1.81	0.180	0.17	0.75	164	821	73	19 807	-1 188.9	2 023.3	1972	87 12
448	1.82	0.110	0.15	0.73	150	816	80	18 605	-1 116.3	1 962.4	1983	92 12
64	2.30	0.090	0.10	0.70	125	820	73	17 070	-1 207.8	1 976.2	1983	89 12
320	1.13	0.175	0.11	0.67	164	812	73	19 136	-1 098.0	1 983.3	1985	89 12 - GPP
384	1.48	0.125	0.13	0.67	164	840	73	19 994	-1 096.4	1 919.4	1985	93 12 - GPP
128	2.24	0.112	0.36	0.67	164	820	73	18 367	-1 271.7	2 081.2	1979	88 12
64	1.00	0.120	0.33	0.67	164	812	73	17 534	-1 259.3	2 152.5	1985	87 08 - GPP
64	1.10	0.100	0.20	0.74	123	814	71	19 154	-1 099.8	1 877.7	1989	90 03 - GPP
670	1.70	0.130	0.17	0.73	117	813	66	17 406	-1 050.1	1 907.7	1991	92 08
180	3.65	0.136	0.19	0.73	149	835	72	17 744	-1 175.6	1 989.8	1981	90 03

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE 10 ³ m ³	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 10 ³ m ³	REMAINING ESTABLISHED RESERVES 10 ³ m ³
		PRIMARY frac	ENHANCED frac	PRIMARY 10 ³ m ³	ENHANCED 10 ³ m ³	TOTAL 10 ³ m ³		
VALHALLA 075-10W6 (CONTINUED)								
HALFWAY C	1 899.0	0.25		475.0		475.0	279.6	195.4
HALFWAY E	70.7	0.20		14.1		14.1	2.6	11.5
HALFWAY H	41.5	0.20		8.3		8.3	2.8	5.5
DOIG A	210.0	0.04		8.4		8.4	6.9	1.5
DOIG B	1 014.0	0.10		101.0		101.0	53.0	48.0
DOIG D	1 045.0	0.10		105.0		105.0	34.8	70.2
DOIG E	143.0	0.06		8.6		8.6	4.4	4.2
MONTNEY A	460.0	0.15		69.0		69.0	11.0	58.0
FIELD TOTAL	68 391.7			6 401.5	4 015.0	10 416.5	4 668.2	5 748.3
VAUXHALL 012-17W4								
UPPER MANNVILLE B	170.0	0.10		17.0		17.0	1.7	15.3
UPPER MANNVILLE E	151.0	0.10		15.1		15.1	0.1	15.0
UPPER MANNVILLE F	149.0	0.05		7.5		7.5	0.1	7.4
LOWER MANNVILLE A	57.8	<0.01		0.1		0.1	0.1	
FIELD TOTAL	527.8			39.7		39.7	2.0	37.7
VEGA 061-03W5								
VIKING B	138.0	<0.01		0.2		0.2	0.2	
VIKING C	109.0	<0.01		0.5		0.5	0.5	
FIELD TOTAL	247.0			0.7		0.7	0.7	
VERGER 022-15W4								
UPPER MANNVILLE F	182.0	0.10		18.2		18.2	7.8	10.4
ARCS A	139.0	0.15		20.9		20.9	5.2	15.7
FIELD TOTAL *	321.0			39.1		39.1	13.0	26.1
VIRGINIA HILLS 065-13W5								
GETHING A	132.0	0.15		19.8		19.8	9.6	10.2
BELLOY A WATER FLOOD	13 000.0	0.23	0.22	2 990.0	2 860.0	5 850.0	4 697.6	1 152.4
BEAVERHILL LAKE	76 240.0			17 460.0	12 180.0	29 640.0	23 779.5	5 860.5
TOTAL								
PRIMARY AREA	2 639.0	0.25		660.0		660.0		
SOLVENT FLOOD AREA	28 560.0	0.23	0.22	6 570.0	6 280.0	12 850.0		
WATER FLOOD AREA	45 040.0	0.22	0.13	10 230.0	5 900.0	16 130.0		
BEAVERHILL LAKE B	30.4	<0.01		0.1		0.1	0.1	
BEAVERHILL LAKE C	106.0	0.15		15.9		15.9	3.7	12.2
BEAVERHILL LAKE D	119.0	0.15		17.9		17.9	3.3	14.6
FIELD TOTAL	89 627.4			20 503.7	15 040.0	35 543.7	28 493.8	7 049.9
VIRGO 115-06W6								
SULPHUR POINT E	35.0	<0.02		0.6		0.6	0.6	
SULPHUR POINT A & KEG RIVER MM	249.0	0.45		112.0		112.0	102.3	9.7
MUSKEG A	334.0	0.20		66.7		66.7	63.8	2.9
MUSKEG B	118.0	0.30		35.4		35.4	24.1	11.3
MUSKEG C	160.0	<0.21		33.1		33.1	33.1	
MUSKEG E	59.0	<0.20		11.6		11.6	11.6	
MUSKEG G WATER FLOOD	228.0	0.15	0.10	34.2	22.8	57.0	43.7	13.3
MUSKEG I	207.0	0.25		51.8		51.8	41.4	10.4
MUSKEG J	175.0	0.20		35.0		35.0	21.5	13.5
MUSKEG K	109.0	<0.01		0.9		0.9	0.9	
MUSKEG L	159.0	<0.08		11.8		11.8	11.8	
MUSKEG M	42.6	<0.10		4.1		4.1	4.1	
MUSKEG O	397.0	0.20		79.4		79.4	54.6	24.8
MUSKEG Q	236.0	<0.02		4.3		4.3	4.3	
MUSKEG R	150.0	<0.04		5.0		5.0	5.0	
MUSKEG S	36.0	<0.02		0.5		0.5	0.5	
MUSKEG T	34.9	<0.02		0.5		0.5	0.5	
MUSKEG U	43.6	0.03		1.3		1.3	1.3	
MUSKEG D & KEG RIVER L	429.0	0.20		85.8		85.8	76.5	9.3
MUSKEG P & KEG RIVER R3R	46.2	0.02		0.9		0.9	0.9	
KEG RIVER A	222.0	0.30		66.7		66.7	45.0	21.7

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
692	4.49	0.140	0.26	0.59	145	785	73	19 714	-1 142.1	1 956.8	1980	92 08
64	1.20	0.150	0.11	0.69	160	823	78	20 826	-1 173.9	1 960.6	1989	89 07
64	1.20	0.120	0.25	0.60	187	808	71	19 431	-1 232.1	1 989.4	1991	93 01
16	23.01	0.110	0.25	0.69	120	815	73	19 755	-1 260.7	2 006.0	1983	92 12 - GPP
192	19.46	0.078	0.13	0.40	416	816	73	21 975	-1 286.6	2 023.8	1984	88 04 - GPP
140	12.60	0.086	0.14	0.80	249	809	67	22 187	-1 312.4	2 039.6	1988	90 10 - GPP
16	16.60	0.080	0.16	0.80	248	814	73	22 549	-1 303.1	2 030.1	1988	92 12 - GPP
128	6.32	0.090	0.11	0.71	230	829	84	20 778	-1 336.7	2 181.6	1992	92 07
32	3.80	0.240	0.32	0.86	68	909	31	11 157	-226.5	1 068.4	1979	91 05
32	5.00	0.180	0.41	0.89	57	835	30	11 200	-231.9	1 053.8	1990	90 08
64	3.00	0.180	0.55	0.96	18	886	34	11 111	-220.7	1 049.6	1979	91 04
64	1.00	0.150	0.30	0.86	64	895	30	11 168	-227.8	1 027.9	1980	83 01 - ABAND 83 09
64	2.00	0.210	0.41	0.87	57	849	32	5 239	-171.6	833.0	1980	85 12 - GPP
64	1.50	0.190	0.31	0.87	58	846	30	5 128	-160.8	810.0	1980	82 03 - GPP
64	4.20	0.140	0.45	0.88	47	861	35	9 469	-338.5	1 073.2	1982	82 12 - GPP
32	3.80	0.200	0.35	0.88	120	869	41	12 199	-618.7	1 351.3	1991	92 09 - GPP
64	2.00	0.170	0.23	0.79	100	852	64	12 412	-618.7	1 691.0	1983	84 01
1 910	6.25	0.180	0.28	0.84	52	866	70	13 546	-776.6	1 841.4	1961	91 05 - GPP
13 101					88	834	102	25 560	-1 701.1	2 818.7	1957	93 12
2 176	3.00	0.070	0.25	0.77								
2 496	19.89	0.090	0.17	0.77								
8 429	9.84	0.086	0.18	0.77								
64	1.62	0.073	0.45	0.73	97	852	99	25 640	-1 711.9	2 752.8	1983	88 12 - GPP
64	4.80	0.070	0.35	0.76	80	847	103	24 156	-1 707.9	2 855.2	1983	86 12 - GPP
64	7.81	0.052	0.40	0.76	76	837	105	24 137	-1 705.7	2 975.0	1987	91 05 - GPP
16	4.90	0.070	0.25	0.85	62	860	50	13 738	-1 035.0	1 372.4	1977	84 05 - ABAND 89 02
9	54.73	0.070	0.17	0.87	35	865	68	14 507	-1 114.9	1 467.9	1968	76 08 - GPP
19	20.40	0.130	0.15	0.78	85	839	74	15 270	-1 171.1	1 515.5	1968	69 04 - GPP
17	23.00	0.050	0.20	0.75	74	849	71	14 341	-1 126.2	1 479.5	1968	87 02 - GPP
8	32.63	0.080	0.11	0.86	45	865	76	14 848	-1 146.4	1 496.0	1968	90 03 - ABAND 91 03
4	19.05	0.100	0.10	0.86	46	870	71	12 534	-1 122.1	1 472.0	1969	80 12 - GPP
17	18.82	0.090	0.10	0.88	39	881	67	14 002	-1 134.3	1 480.8	1969	90 07 - GPP
16	43.70	0.050	0.20	0.74	88	829	72	14 763	-1 193.0	1 541.1	1970	86 12 - GPP
49	12.71	0.046	0.30	0.88	35	881	65	13 666	-1 086.1	1 439.7	1971	82 12 - GPP
16	20.12	0.051	0.17	0.80	80	849	71	14 977	-1 165.2	1 500.5	1971	73 02 - ABAND 90 01
13	17.98	0.089	0.11	0.86	53	870	70	12 048	-1 139.5	1 481.5	1971	73 12 - ABAND 89 03
16	12.50	0.040	0.35	0.82	106	834	73	12 678	-1 130.4	1 486.4	1973	83 12 - ABAND 88 12
64	16.35	0.060	0.19	0.78	89	850	71	16 995	-1 158.2	1 501.9	1969	92 02 - GPP
16	27.90	0.080	0.25	0.88	39	882	67	13 324	-1 137.3	1 488.1	1983	92 11 - GPP
16	11.00	0.120	0.11	0.80	45	824	62	14 575	-1 182.8	1 546.5	1983	85 12
16	5.80	0.060	0.24	0.85	54	876	58	14 452	-1 108.2	1 461.3	1983	87 09 - ABAND 89 04
16	5.00	0.062	0.11	0.79	89	860	69	14 332	-1 141.0	1 492.6	1985	88 12 - ABAND 85 12
16	12.30	0.042	0.38	0.85	45	852	76	15 340	-1 199.1	1 546.0	1981	89 12
49	16.70	0.076	0.17	0.83	75	829	62	15 883	-1 233.0	1 596.5	1968	79 11 - GPP
16	7.00	0.080	0.40	0.86	34	794	82	13 770	-1 276.0	1 647.5	1981	88 12
10	42.95	0.080	0.15	0.76	106	825	68	15 268	-1 189.8	1 544.9	1968	70 02 - GPP

TABLE 2-6

FIELD POOL	1 INITIAL VOLUME IN PLACE 10 ³ m ³	3		5			6			7 CUMULATIVE PRODUCTION 10 ³ m ³	8 REMAINING ESTABLISHED RESERVES 10 ³ m ³
		RECOVERY		INITIAL ESTABLISHED RESERVES							
		PRIMARY frac	ENHANCED frac	PRIMARY 10 ³ m ³	ENHANCED 10 ³ m ³	TOTAL 10 ³ m ³					
VIRGO 115-06W6 (CONTINUED)											
KEG RIVER B WATER FLOOD	397.0	0.32	0.01	127.0	4.0	131.0	127.0	4.0			
KEG RIVER C WATER FLOOD	139.0	0.42		58.4		58.4	54.8	3.6			
KEG RIVER D WATER FLOOD	446.0	0.15	0.13	66.9	58.0	125.0	112.8	12.2			
KEG RIVER E WATER FLOOD	620.0	0.30	0.06	186.0	37.2	223.0	217.2	5.8			
KEG RIVER F	159.0	0.20		31.8		31.8	24.9	6.9			
KEG RIVER G	461.0	0.20		92.2		92.2	75.4	16.8			
KEG RIVER H	636.0	0.26		165.0		165.0	132.9	32.1			
KEG RIVER I WATER FLOOD	359.0	0.35	0.05	126.0	18.0	144.0	129.4	14.6			
KEG RIVER J	159.0	0.40		63.6		63.6	61.3	2.3			
KEG RIVER K	221.0	0.52		115.0		115.0	109.5	5.5			
KEG RIVER M	130.0	0.25		32.5		32.5	29.2	3.3			
KEG RIVER N	159.0	0.35		55.7		55.7	40.9	14.8			
KEG RIVER O WATER FLOOD	159.0	0.38	0.06	60.4	9.5	69.9	46.3	23.6			
KEG RIVER P WATER FLOOD	350.0	0.10	0.05	35.0	17.5	52.5	34.6	17.9			
KEG RIVER Q WATER FLOOD	477.0	0.15		71.6		71.6	61.0	10.6			
KEG RIVER R WATER FLOOD	355.0	0.35	0.05	124.0	17.8	142.0	138.9	3.1			
KEG RIVER S WATER FLOOD	270.0	0.25	0.05	67.5	13.5	81.0	75.8	5.2			
KEG RIVER T	524.0	<0.11		53.4		53.4	53.4				
KEG RIVER U	390.0	<0.11		39.6		39.6	39.6				
KEG RIVER V	195.0	0.35		68.3		68.3	59.5	8.8			
KEG RIVER W	715.0	<0.24		167.0		167.0	167.0				
KEG RIVER X	251.0	<0.11		26.3		26.3	26.3				
KEG RIVER Y	290.0	0.40		116.0		116.0	103.8	12.2			
KEG RIVER Z WATER FLOOD	354.0	0.39	0.09	138.0	31.9	170.0	165.1	4.9			
KEG RIVER AA	570.0	0.18		103.0		103.0	98.8	4.2			
KEG RIVER BB	192.0	0.40		76.8		76.8	66.4	10.4			
KEG RIVER CC	30.7	0.30		9.2		9.2	7.1	2.1			
KEG RIVER DD WATER FLOOD	110.0	0.30	0.13	33.0	14.3	47.3	39.6	7.7			
KEG RIVER EE	127.0	0.25		31.8		31.8	28.8	3.0			
KEG RIVER FF	636.0	<0.05		30.6		30.6	30.6				
KEG RIVER GG	636.0	0.09		57.2		57.2	53.8	3.4			
KEG RIVER HH	284.0	0.27		76.7		76.7	74.4	2.3			
KEG RIVER II	366.0	<0.06		19.9		19.9	19.9				
KEG RIVER JJ	556.0	0.30		167.0		167.0	145.7	21.3			
KEG RIVER KK	311.0	<0.09		25.0		25.0	25.0				
KEG RIVER LL	92.0	<0.12		11.0		11.0	11.0				
KEG RIVER NN	159.0	0.40		63.6		63.6	59.3	4.3			
KEG RIVER OO	159.0	<0.11		16.2		16.2	16.2				
KEG RIVER PP	47.2	<0.06		2.8		2.8	2.8				
KEG RIVER QQ	212.0	0.20		42.4		42.4	37.8	4.6			
KEG RIVER RR	274.0	<0.08		90.4		90.4	90.4				
KEG RIVER SS	155.0	0.30		46.6		46.6	32.9	13.7			
KEG RIVER TT	193.0	<0.12		23.1		23.1	23.1				
KEG RIVER UU	152.0	0.10		15.2		15.2	10.6	4.6			
KEG RIVER VV	560.0	0.40		224.0		224.0	190.8	33.2			
KEG RIVER WW WATER FLOOD	300.0	0.30	0.07	90.0	21.0	111.0	103.2	7.8			
KEG RIVER XX	578.0	<0.09		47.4		47.4	47.4				
KEG RIVER YY	200.0	0.40		80.0		80.0	54.1	25.9			
KEG RIVER ZZ	238.0	0.35		83.3		83.3	76.8	6.5			
KEG RIVER AAA WATER FLOOD	230.0	0.35	0.14	80.5	32.2	113.0	110.9	2.1			
KEG RIVER BBB	440.0	<0.19		79.9		79.9	79.9				
KEG RIVER CCC TOTAL	250.0			4.0	21.3	25.3	25.3				
PRIMARY AREA	125.0	<0.02		1.4		1.4					
WATER FLOOD AREA	125.0	<0.03	0.17	2.6	21.3	23.9					
KEG RIVER DDD	191.0	0.07		13.4		13.4	13.4				
KEG RIVER EEE	196.0	0.20		39.2		39.2	22.6	16.6			
KEG RIVER FFF	72.2	<0.01		0.3		0.3	0.3				
KEG RIVER GGG WATER FLOOD	440.0	0.10	0.08	44.0	35.2	79.2	78.0	1.2			

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
14	38.93	0.094	0.11	0.87	43	849	71	14 735	-1 124.4	1 466.7	1968	92 12 - GPP
8	33.79	0.068	0.16	0.90	32	876	64	14 654	-1 113.1	1 460.6	1968	93 12 - GPP
20	31.34	0.093	0.10	0.85	48	860	73	15 090	-1 142.6	1 497.2	1968	93 10 - GPP
13	68.75	0.094	0.10	0.82	75	849	68	15 285	-1 157.0	1 513.0	1967	93 12 - GPP
5	38.53	0.130	0.08	0.69	143	876	76	15 140	-1 155.0	1 521.0	1968	79 04 - GPP
10	89.09	0.077	0.16	0.80	74	839	76	15 950	-1 206.8	1 567.7	1968	83 12 - GPP
13	70.46	0.093	0.10	0.83	65	876	77	15 409	-1 149.1	1 499.0	1968	85 08 - GPP
12	44.50	0.090	0.10	0.83	78	849	71	15 083	-1 154.2	1 495.0	1968	92 12 - GPP
11	36.45	0.053	0.14	0.87	50	865	68	14 546	-1 112.2	1 462.1	1968	93 12 - GPP
8	56.81	0.065	0.12	0.85	45	855	70	15 090	-1 152.0	1 499.2	1968	88 12
9	35.00	0.070	0.18	0.72	121	815	78	15 203	-1 173.2	1 541.4	1968	87 12
6	47.40	0.073	0.12	0.87	50	865	68	14 666	-1 131.0	1 474.8	1968	82 12 - GPP
6	52.50	0.066	0.12	0.87	43	865	61	14 493	-1 128.0	1 467.0	1968	86 05 - GPP
8	74.75	0.081	0.14	0.84	45	860	76	15 050	-1 157.7	1 503.6	1968	92 09 - GPP
15	62.00	0.071	0.14	0.84	58	855	72	15 268	-1 172.0	1 529.8	1968	90 12 - GPP
9	54.11	0.100	0.10	0.81	80	876	63	15 617	-1 221.3	1 564.5	1968	90 12 - GPP
6	79.20	0.077	0.10	0.82	60	855	71	12 442	-1 100.8	1 462.5	1968	82 12 - GPP
22	42.70	0.080	0.15	0.82	69	849	71	14 437	-1 134.6	1 494.6	1968	89 12 - GPP
19	30.75	0.100	0.11	0.75	107	829	71	15 568	-1 198.7	1 551.7	1968	75 02
7	37.50	0.110	0.10	0.75	101	839	72	15 263	-1 180.0	1 527.5	1968	83 12 - GPP
11	72.59	0.120	0.09	0.82	68	849	71	15 372	-1 165.9	1 515.8	1968	92 09
6	66.45	0.093	0.12	0.77	96	839	72	15 463	-1 189.0	1 538.0	1968	77 03 - ABAND 77 06
19	34.42	0.060	0.15	0.87	47	849	69	14 833	-1 140.1	1 477.8	1968	90 12 - GPP
11	52.50	0.084	0.10	0.81	75	860	64	14 868	-1 148.5	1 489.6	1968	88 12 - GPP
25	47.24	0.073	0.24	0.87	45	849	72	14 945	-1 150.0	1 486.8	1968	86 12 - GPP
10	43.30	0.060	0.16	0.88	35	855	67	14 740	-1 127.7	1 467.6	1968	83 12 - GPP
7	28.16	0.025	0.30	0.89	30	860	68	14 540	-1 110.7	1 447.2	1968	80 06 - GPP
9	22.89	0.074	0.13	0.83	67	849	69	14 545	-1 138.3	1 480.9	1968	86 02 - GPP
10	21.56	0.090	0.15	0.77	101	839	71	15 403	-1 184.5	1 529.5	1968	69 11 - GPP
34	39.51	0.070	0.11	0.76	104	820	70	15 473	-1 187.8	1 544.7	1968	88 12 - GPP
51	28.78	0.069	0.14	0.73	120	829	74	15 130	-1 171.7	1 541.7	1968	83 12 - GPP
16	22.56	0.130	0.11	0.68	158	815	79	15 540	-1 200.6	1 570.3	1968	91 12
9	68.00	0.085	0.20	0.88	46	876	63	14 783	-1 133.6	1 482.9	1968	86 12 - ABAND 89 11
19	51.20	0.081	0.16	0.84	53	870	69	14 773	-1 127.1	1 475.8	1968	70 02 - GPP
17	36.82	0.080	0.15	0.73	124	834	69	15 386	-1 202.5	1 554.2	1968	78 10
10	17.98	0.079	0.19	0.80	74	844	70	15 715	-1 271.4	1 632.0	1968	89 12 - GPP
4	47.25	0.110	0.09	0.84	56	870	62	14 693	-1 145.7	1 493.2	1968	83 12
9	33.78	0.070	0.13	0.86	50	865	68	14 177	-1 118.2	1 464.1	1968	82 12 - ABAND 90 01
6	17.25	0.067	0.20	0.85	72	844	71	13 714	-1 135.2	1 493.0	1968	70 02
19	23.00	0.080	0.17	0.73	118	839	72	15 555	-1 198.5	1 546.8	1968	92 08
57	39.32	0.076	0.12	0.85	43	860	69	14 921	-1 142.1	1 481.3	1969	84 12 - ABAND 90 03
19	32.40	0.040	0.25	0.84	58	876	66	14 712	-1 118.9	1 474.3	1969	70 06 - GPP
9	38.25	0.083	0.10	0.75	107	834	71	15 430	-1 191.7	1 545.3	1968	77 05
34	18.04	0.040	0.25	0.82	69	849	71	13 661	-1 127.8	1 484.4	1968	87 12 - GPP
20	48.40	0.081	0.15	0.84	65	860	70	14 712	-1 145.2	1 483.8	1969	89 12 - GPP
16	25.00	0.098	0.09	0.84	64	860	70	14 816	-1 157.8	1 501.0	1969	86 02 - GPP
17	33.89	0.140	0.08	0.78	92	829	76	15 473	-1 195.0	1 552.8	1969	77 11 - ABAND 76 11
6	52.30	0.094	0.12	0.77	91	834	76	15 218	-1 185.4	1 547.5	1969	93 08 - GPP
15	28.17	0.080	0.20	0.88	40	855	70	14 577	-1 129.6	1 467.3	1969	86 12 - GPP
11	44.00	0.070	0.15	0.80	84	839	71	15 055	-1 152.3	1 494.3	1968	91 12 - GPP
8	65.23	0.120	0.10	0.78	93	834	72	15 398	-1 182.3	1 532.2	1969	82 12
8					47	855	71	14 562	-1 167.6	1 513.0	1969	93 07 - ABAND 93 02
4	34.40	0.120	0.10	0.84								- GPP
4	70.50	0.060	0.12	0.84								- ABAND 91 03
7	44.00	0.082	0.11	0.85	50	865	68	13 317	-1 119.5	1 469.7	1969	
5	49.62	0.107	0.12	0.84	54	865	71	12 765	-1 152.3	1 501.0	1969	93 04
16	6.40	0.100	0.15	0.83	69	849	71	13 435	-1 123.3	1 482.4	1969	70 12
11	51.27	0.102	0.10	0.85	53	865	70	14 007	-1 152.8	1 495.4	1969	86 02 - GPP

TABLE 2-6

FIELD POOL	1	3		5		6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
VIRGO 115-06W6 (CONTINUED)								
KEG RIVER HHH	49.6	<0.12		5.9		5.9	5.9	
KEG RIVER III	49.6	<0.05		2.1		2.1	2.1	
KEG RIVER JUJ	556.0	<0.05		24.7		24.7	24.7	
KEG RIVER KKK	238.0	<0.33		77.8		77.8	77.8	
KEG RIVER LLL	207.0	0.30		62.0		62.0	48.5	13.5
KEG RIVER MMM	95.3	0.36		34.3		34.3	33.3	1.0
KEG RIVER NNN	207.0	0.40		82.8		82.8	80.4	2.4
KEG RIVER OOO	200.0	<0.20	0.03	38.4	6.0	44.4	44.4	
WATER FLOOD								
KEG RIVER PPP	227.0	0.15	0.10	34.2	22.7	56.9	55.0	1.9
WATER FLOOD								
KEG RIVER QQQ	320.0	<0.16		49.0		49.0	49.0	
KEG RIVER RRR	556.0	0.10		55.6		55.6	39.2	16.4
KEG RIVER SSS	238.0	0.05		11.9		11.9	8.3	3.6
KEG RIVER TTT	444.0	<0.26		114.4		114.4	114.4	
KEG RIVER UUU	111.0	<0.21		22.3		22.3	22.3	
KEG RIVER VVV	37.8	0.17		6.4		6.4	6.4	
KEG RIVER WWW	107.0	<0.10		10.5		10.5	10.5	
KEG RIVER XXX	267.0	0.20		53.4		53.4	44.7	8.7
KEG RIVER YYY	175.0	<0.25		42.1		42.1	42.1	
KEG RIVER ZZZ	195.0	0.40		78.0		78.0	71.1	6.9
KEG RIVER A2A	280.0	0.32	0.03	89.6	8.4	98.0	89.6	8.4
WATER FLOOD								
KEG RIVER B2B	327.0	<0.06		17.5		17.5	17.5	
KEG RIVER C2C	397.0	0.15		59.6		59.6	35.3	24.3
KEG RIVER D2D	370.0	0.28		104.0		104.0	93.8	10.2
KEG RIVER E2E	235.0	<0.06		13.2		13.2	13.2	
KEG RIVER F2F	142.0	<0.13		17.6		17.6	17.6	
KEG RIVER G2G	80.0	<0.01		0.7		0.7	0.7	
KEG RIVER H2H	487.0	<0.08		37.2		37.2	37.2	
KEG RIVER I2I	280.0	0.35		98.0		98.0	88.4	9.6
KEG RIVER J2J	56.3	0.30		16.9		16.9	6.4	10.5
KEG RIVER K2K	636.0	0.17		108.0		108.0	101.2	6.8
KEG RIVER L2L	245.0	<0.14		34.0		34.0	34.0	
KEG RIVER M2M	259.0	<0.11		26.6		26.6	26.6	
KEG RIVER N2N	348.0	0.18		62.6		62.6	59.6	3.0
KEG RIVER O2O	229.0	<0.09		18.8		18.8	18.8	
KEG RIVER P2P	198.0	<0.02		3.6		3.6	3.6	
KEG RIVER Q2Q	78.0	<0.03		1.9		1.9	1.9	
KEG RIVER R2R	397.0	0.07	0.08	27.8	31.8	59.6	47.5	12.1
WATER FLOOD								
KEG RIVER S2S	270.0	0.40		108.0		108.0	77.7	30.3
KEG RIVER T2T	203.0	<0.21		41.3		41.3	41.3	
KEG RIVER U2U	421.0	0.11		46.3		46.3	41.5	4.8
KEG RIVER V2V	101.0	<0.19		18.2		18.2	18.2	
KEG RIVER W2W	658.0	<0.07		45.0		45.0	45.0	
KEG RIVER X2X	400.0	<0.14		52.5		52.5	52.5	
KEG RIVER Y2Y	747.0	0.11		82.2		82.2	76.0	6.2
KEG RIVER Z2Z	500.0	0.05	0.05	25.0	25.0	50.0	33.5	16.5
WATER FLOOD								
KEG RIVER A3A	254.0	0.35		89.0		89.0	85.2	3.8
KEG RIVER B3B	492.0	<0.07		33.2		33.2	33.2	
KEG RIVER C3C	162.0	<0.20		30.9		30.9	30.9	
KEG RIVER D3D	111.0	0.35		38.9		38.9	30.9	8.0
KEG RIVER E3E	556.0	0.12		66.7		66.7	55.9	10.8
KEG RIVER F3F	404.0	<0.03		9.6		9.6	9.6	
KEG RIVER G3G	312.0	<0.03		6.6		6.6	6.6	
KEG RIVER H3H	96.9	0.35		33.9		33.9	17.2	16.7
KEG RIVER I3I	252.0	<0.02		3.7		3.7	3.7	
KEG RIVER J3J	397.0	0.17		67.5		67.5	57.7	9.8
KEG RIVER L3L	65.3	<0.01		0.2		0.2	0.2	
KEG RIVER N3N	353.0	0.10		35.3		35.3	31.2	4.1
KEG RIVER O3O	74.3	<0.10		6.9		6.9	6.9	
KEG RIVER P3P	96.1	<0.01		0.3		0.3	0.3	
KEG RIVER Q3Q	327.0	<0.07		20.0		20.0	20.0	
KEG RIVER S3S	91.6	0.20		18.3		18.3	3.5	14.8
KEG RIVER T3T	110.0	<0.03		2.3		2.3	2.3	
KEG RIVER U3U	130.0	0.40		52.0		52.0	26.2	25.8
KEG RIVER V3V	600.0	0.10		60.0		60.0	45.9	14.1
KEG RIVER W3W	28.8	<0.02		0.5		0.5	0.5	
KEG RIVER X3X	93.3	0.30		28.0		28.0	6.2	21.8

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
8	24.78	0.037	0.24	0.89	40	860	68	14 021	-1 101.8	1 442.9	1969	89 12 - GPP
8	15.54	0.064	0.24	0.82	71	839	71	13 599	-1 139.5	1 498.2	1969	74 05 - ABAND 70 11
21	40.39	0.094	0.15	0.82	62	865	72	14 502	-1 201.4	1 551.0	1969	79 12 - GPP
7	47.89	0.094	0.09	0.83	67	849	71	14 637	-1 158.6	1 505.8	1969	92 10 - GPP
14	38.74	0.053	0.20	0.90	30	870	68	14 345	-1 118.5	1 457.1	1969	70 07 - GPP
14	24.79	0.040	0.22	0.88	46	855	71	14 477	-1 138.6	1 476.3	1969	88 12 - GPP
22	27.35	0.050	0.20	0.86	44	870	68	14 403	-1 122.3	1 463.3	1969	87 12 - GPP
4	82.75	0.080	0.10	0.84	59	844	66	11 755	-1 167.4	1 511.5	1969	86 02 - GPP
11	60.96	0.047	0.14	0.84	60	855	68	13 905	-1 154.3	1 498.1	1969	76 12 - GPP
18	45.80	0.072	0.13	0.62	210	820	78	15 623	-1 209.0	1 586.2	1969	83 12 - GPP
15	66.74	0.096	0.11	0.65	171	815	78	15 272	-1 198.9	1 570.8	1969	87 12 - GPP
6	72.92	0.080	0.20	0.85	52	870	71	13 947	-1 164.8	1 516.5	1969	87 12 - GPP
11	60.27	0.095	0.13	0.81	71	855	74	15 224	-1 180.9	1 534.5	1969	87 12 - ABAND 91 03
8	37.88	0.069	0.17	0.64	192	811	82	15 560	-1 221.6	1 595.6	1969	93 12 - GPP
5	26.52	0.044	0.21	0.82	66	876	75	13 303	-1 152.1	1 511.5	1969	91 10 - ABAND 90 08
7	21.34	0.110	0.12	0.74	118	829	71	14 893	-1 190.1	1 539.7	1969	75 12 - GPP
16	30.80	0.075	0.15	0.85	30	865	68	14 530	-1 118.9	1 455.1	1968	79 12 - GPP
10	40.90	0.069	0.15	0.73	123	829	72	15 336	-1 190.6	1 540.8	1969	89 12 - GPP
22	33.67	0.047	0.30	0.80	64	849	70	13 947	-1 138.6	1 477.5	1969	87 12 - GPP
10	44.19	0.090	0.12	0.80	84	844	76	15 177	-1 172.9	1 531.6	1969	90 05 - GPP
20	26.49	0.090	0.23	0.89	34	870	70	13 653	-1 114.3	1 456.6	1969	75 12 - ABAND 90 01
10	48.83	0.105	0.11	0.87	41	881	64	13 223	-1 117.7	1 464.6	1969	93 08 - GPP
9	76.78	0.077	0.12	0.79	77	844	73	14 851	-1 177.0	1 531.5	1969	87 12 - GPP
12	33.89	0.079	0.15	0.86	48	870	69	11 107	-1 126.4	1 468.4	1969	73 05 - ABAND 90 08
11	24.08	0.085	0.17	0.76	104	834	73	15 218	-1 177.3	1 519.9	1969	70 06 - ABAND 89 02
11	28.65	0.045	0.32	0.83	62	849	71	14 519	-1 159.0	1 497.3	1969	73 02 - GPP
17	40.54	0.103	0.12	0.78	90	849	71	14 848	-1 173.3	1 515.6	1969	89 12 - ABAND 89 02
17	34.70	0.070	0.22	0.87	43	860	70	14 219	-1 130.5	1 467.6	1969	87 01 - GPP
11	29.19	0.033	0.23	0.69	125	815	82	15 618	-1 244.2	1 613.0	1969	88 12 - GPP
9	81.17	0.114	0.08	0.83	63	849	70	11 144	-1 178.2	1 521.1	1970	82 12 - GPP
11	43.56	0.070	0.17	0.88	37	865	68	13 812	-1 130.9	1 470.8	1970	88 12 - ABAND 89 03
23	26.83	0.061	0.20	0.86	45	834	72	13 976	-1 138.4	1 474.6	1970	92 10 - GPP
15	36.98	0.085	0.10	0.82	70	849	73	13 452	-1 159.9	1 501.6	1970	86 12 - GPP
12	44.35	0.061	0.20	0.88	38	855	68	14 460	-1 122.7	1 457.7	1970	82 12 - GPP
13	33.83	0.075	0.20	0.75	92	829	76	15 023	-1 201.1	1 563.8	1970	75 03 - GPP
8	30.48	0.050	0.20	0.80	90	849	72	13 982	-1 182.9	1 524.6	1970	88 12 - GPP
15	47.81	0.075	0.10	0.82	68	860	70	11 610	-1 150.7	1 491.8	1970	75 12 - GPP
13	39.44	0.075	0.10	0.78	90	839	72	14 170	-1 175.3	1 518.5	1970	71 09 - GPP
6	54.60	0.085	0.10	0.81	53	849	79	12 813	-1 176.8	1 517.0	1971	75 12 - ABAND 89 07
10	48.77	0.120	0.10	0.80	76	849	73	12 462	-1 153.0	1 511.4	1971	84 12 - GPP
11	48.89	0.030	0.23	0.82	80	849	73	14 628	-1 167.8	1 508.3	1971	72 07 - ABAND 89 08
13	91.74	0.073	0.10	0.84	89	865	70	10 540	-1 171.6	1 512.4	1971	81 12 - ABAND 89 07
11	49.07	0.105	0.18	0.86	53	865	70	10 732	-1 137.0	1 476.5	1972	89 12 - GPP
11	72.40	0.120	0.07	0.84	57	855	69	12 598	-1 140.7	1 495.2	1972	93 12 - GPP
14	60.43	0.087	0.21	0.86	33	870	60	10 442	-1 140.1	1 483.1	1971	91 12 - GPP
12	46.20	0.070	0.15	0.77	89	829	81	15 333	-1 170.1	1 531.9	1972	73 05 - GPP
10	54.86	0.120	0.10	0.83	51	865	72	14 445	-1 147.0	1 496.3	1972	85 12 - GPP
7	32.80	0.090	0.10	0.87	53	870	69	14 965	-1 118.0	1 467.9	1972	82 12 - ABAND 89 09
5	32.75	0.095	0.18	0.87	33	876	65	13 896	-1 104.2	1 449.5	1973	74 05 - GPP
9	58.01	0.136	0.10	0.87	43	870	62	14 354	-1 123.9	1 471.4	1973	86 12 - GPP
39	15.88	0.100	0.23	0.85	59	855	67	14 136	-1 134.5	1 473.1	1973	79 12 - ABAND 88 12
29	21.46	0.072	0.18	0.85	57	855	69	12 677	-1 129.6	1 481.3	1973	78 03 - ABAND 88 12
13	22.70	0.050	0.18	0.80	89	839	60	15 667	-1 208.8	1 564.4	1969	74 12 - GPP
32	19.51	0.063	0.20	0.80	76	829	70	15 314	-1 184.2	1 539.9	1969	85 12 - ABAND 90 01
12	54.70	0.090	0.20	0.84	66	849	72	15 145	-1 151.0	1 489.9	1977	87 12 - GPP
8	22.60	0.060	0.30	0.86	35	850	68	14 473	-1 109.3	1 459.0	1980	82 12 - ABAND 90 04
16	42.00	0.072	0.12	0.83	35	852	77	15 330	-1 156.7	1 496.0	1981	81 09 - GPP
8	22.50	0.060	0.20	0.86	46	835	64	9 377	-1 237.9	1 584.8	1981	85 12 - ABAND 86 12
16	19.50	0.055	0.30	0.80	77	854	55	14 285	-1 115.1	1 451.3	1982	86 12 - GPP
16	27.00	0.110	0.20	0.86	34	850	65	14 809	-1 197.0	1 554.5	1982	89 12 - GPP
16	18.00	0.050	0.26	0.86	49	872	70	14 095	-1 113.3	1 454.5	1983	92 11 - GPP
4	46.48	0.080	0.13	0.85	58	860	71	12 646	-1 153.2	1 502.4	1982	84 06 - ABAND 87 02
8	51.48	0.047	0.21	0.85	48	854	85	11 144	-1 127.9	1 477.7	1984	85 09 - GPP
13	52.59	0.116	0.11	0.85	51	862	71	14 961	-1 151.2	1 495.1	1984	86 06 - GPP
16	15.90	0.026	0.50	0.87	43	890	68	13 859	-1 103.3	1 443.1	1984	85 05 - ABAND 88 03
30	20.33	0.030	0.40	0.85	51	871	71	13 654	-1 115.5	1 457.9	1985	86 06 - GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
VIRGO 115-06W6 (CONTINUED)								
KEG RIVER Y3Y	90.5	0.15		13.6		13.6	4.7	8.9
KEG RIVER Z3Z	50.0	<0.06		2.6		2.6	2.6	
KEG RIVER A4A	417.0	0.10		41.7		41.7	11.3	30.4
KEG RIVER B4B	300.0	0.10		30.0		30.0	24.3	5.7
KEG RIVER C4C	187.0	0.30		56.1		56.1	27.3	28.8
KEG RIVER D4D	500.0	0.05		25.0		25.0	15.3	9.7
KEG RIVER E4E	39.1	0.05		2.0		2.0	2.0	
KEG RIVER F4F	550.0	0.05	0.05	27.5	27.5	55.0	35.8	19.2
WATER FLOOD								
KEG RIVER G4G	300.0	0.15	0.25	45.0	75.0	120.0	39.7	80.3
WATER FLOOD								
KEG RIVER H4H	400.0	0.15		60.0		60.0	32.9	27.1
KEG RIVER I4I	100.0	<0.01		0.5		0.5	0.5	
KEG RIVER J4J	100.0	0.25		25.0		25.0	14.6	10.4
KEG RIVER K4K	120.0	0.20		24.0		24.0	15.2	8.8
KEG RIVER L4L	450.0	<0.03		10.8		10.8	10.8	
KEG RIVER M4M	240.0	<0.01		1.4		1.4	1.4	
KEG RIVER N4N	176.0	0.10		17.6		17.6	4.5	13.1
KEG RIVER O4O	250.0	0.40		100.0		100.0	67.6	32.4
KEG RIVER P4P	85.8	0.25		21.5		21.5	13.9	7.6
KEG RIVER Q4Q	179.0	<0.06		10.5		10.5	10.5	
KEG RIVER R4R	335.0	0.05		16.8		16.8	11.9	4.9
KEG RIVER S4S	100.0	0.03		3.0		3.0	3.0	
KEG RIVER T4T	239.0	0.25		59.8		59.8	9.2	50.6
KEG RIVER V4V	475.0	0.20		95.0		95.0	16.3	78.7
KEG RIVER W4W	125.0	0.25		31.3		31.3	1.5	29.8
KEG RIVER X4X	1 175.0	0.15		176.0		176.0	25.1	150.9
KEG RIVER Y4Y	206.0	0.15		30.9		30.9	5.1	25.8
FIELD TOTAL	46 463.7			7 949.6	550.6	8 500.7	7 050.8	1 449.9
VULCAN 016-24W4								
BASAL MANNVILLE C	69.3	0.20		13.9		13.9	12.8	1.1
FIELD TOTAL	69.3			13.9		13.9	12.8	1.1
WANYANDIE 060-27W5								
CARDIUM A	242.0	0.10		24.2		24.2	11.1	13.1
CARDIUM B	106.0	<0.01		0.1		0.1	0.1	
CARDIUM C	397.0	0.05		19.9		19.9	2.9	17.0
FIELD TOTAL	745.0			44.2		44.2	14.1	30.1
WAPITI 067-06W6								
CARDIUM A & B	13 650.0	0.10		1 365.0		1 365.0	338.5	1 026.5
DUNVEGAN B	2 665.0	0.10		267.0		267.0	153.1	113.9
DUNVEGAN E	292.0	0.10		29.2		29.2	3.3	25.9
FIELD TOTAL	16 607.0			1 661.2		1 661.2	494.9	1 166.3
WARNER 004-18W4								
LIVINGSTONE A	93.6	0.02		1.9		1.9	1.9	
FIELD TOTAL	93.6			1.9		1.9	1.9	
WASKAHIGAN 063-24W5								
DUNVEGAN A	3 000.0	0.06		180.0		180.0	147.8	32.2
DUNVEGAN C	520.0	0.05		26.0		26.0	19.2	6.8
DUNVEGAN D	133.0	0.20		26.6		26.6	19.0	7.6
DUNVEGAN E	114.0	0.10		11.4		11.4	4.9	6.5
GETHING C	255.0	<0.01		2.1		2.1	2.1	
FIELD TOTAL	4 022.0			246.1		246.1	193.0	53.1
WATELET 047-26W4								
BELLY RIVER B	281.0	0.02		5.6		5.6	2.4	3.2
ELLERSLIE A	320.0	0.15		48.0		48.0	42.9	5.1
FIELD TOTAL	601.0			53.6		53.6	45.3	8.3

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
16	32.30	0.032	0.25	0.73	104	844	73	14 807	-1 162.7	1 498.2	1984	89 12 - GPP
4	37.60	0.051	0.25	0.87	30	878	68	8 548	-1 116.4	1 467.4	1985	92 10
16	38.85	0.092	0.18	0.89	38	858	68	14 511	-1 138.5	1 474.5	1985	92 07 - GPP
23	30.83	0.069	0.16	0.73	104	875	73	15 244	-1 189.1	1 533.2	1985	86 09 - GPP
26	13.22	0.080	0.20	0.85	58	850	72	14 856	-1 211.7	1 569.5	1985	87 01 - GPP
11	77.68	0.081	0.16	0.86	30	873	68	11 989	-1 137.8	1 486.9	1985	86 06 - GPP
16	10.00	0.040	0.29	0.86	30	875	68	12 499	-1 092.4	1 444.0	1985	86 01 - ABAND 87 11
10	73.90	0.095	0.13	0.90	33	889	70	13 648	-1 153.1	1 496.5	1985	91 12 - GPP
15	26.12	0.100	0.12	0.87	43	865	68	12 277	-1 134.4	1 477.2	1985	91 02 - GPP
7	73.90	0.107	0.16	0.86	241	891	68	13 881	-1 160.3	1 509.5	1985	90 12 - GPP
13	17.47	0.064	0.20	0.86	44	855	73	14 233	-1 141.4	1 477.5	1985	87 04 - ABAND 90 01
19	29.10	0.034	0.30	0.76	106	872	68	14 801	-1 179.6	1 531.2	1985	87 01 - GPP
16	20.49	0.052	0.20	0.88	34	852	67	14 059	-1 121.7	1 460.8	1986	91 12 - GPP
14	44.58	0.101	0.17	0.86	48	874	64	13 654	-1 188.2	1 531.0	1986	87 07 - ABAND 89 08
11	38.23	0.079	0.15	0.85	51	808	71	14 320	-1 143.8	1 489.0	1986	91 12 - ABAND 93 07
16	19.68	0.074	0.14	0.88	37	872	57	14 045	-1 119.9	1 458.8	1986	90 12 - GPP
14	59.80	0.048	0.26	0.84	72	869	71	15 686	-1 163.7	1 506.0	1987	88 09
6	34.60	0.076	0.15	0.64	193	839	78	13 762	-1 187.9	1 563.2	1987	87 05
16	20.72	0.073	0.13	0.85	43	867	68	13 300	-1 167.7	1 519.8	1986	92 03 - ABAND 91 11
17	56.50	0.068	0.21	0.65	159	839	78	13 601	-1 178.8	1 555.0	1987	90 12 - GPP
13	28.95	0.041	0.19	0.80	78	844	70	12 199	-1 236.5	1 577.8	1988	92 10
10	44.00	0.100	0.20	0.68	161	803	80	11 245	-1 179.8	1 551.5	1989	91 12
16	64.00	0.070	0.22	0.85	70	873	71	10 726	-1 148.0	1 490.0	1990	90 07
16	13.20	0.080	0.15	0.87	49	872	68	13 438	-1 126.7	1 478.8	1986	92 06
56	31.80	0.100	0.12	0.75	123	821	63	14 754	-1 190.3	1 557.3	1980	93 09
16	22.00	0.090	0.11	0.73	118	830	72		-1 167.2	1 514.0	1992	93 12 - GPP
32	4.01	0.100	0.40	0.90	80	854	49	14 180	-589.3	1 629.9	1952	88 08 - GPP
64	15.39	0.066	0.40	0.62	134	817	65	15 506	-960.6	2 233.3	1980	82 12
16	17.80	0.077	0.22	0.62	180	780	65	15 250	-928.7	2 149.6	1981	88 12
64	15.90	0.090	0.30	0.62	134	823	65	15 278	-889.9	2 154.8	1980	85 12
2 492	8.25	0.112	0.25	0.79	98	810	40	10 527	-417.1	1 300.2	1969	87 11
1 547	2.01	0.153	0.30	0.80	88	800	50	10 210	-747.0	1 521.4	1958	90 07
64	6.80	0.120	0.30	0.80	88	816	50	10 346	-775.4	1 560.4	1988	88 12
16	5.00	0.170	0.26	0.93	28	866	36	9 242	-7.0	1 045.0	1981	90 12 - ABAND 92 08
698	5.77	0.145	0.35	0.79	76	834	57	10 365	-699.6	1 576.2	1967	92 12 - GPP
128	4.61	0.180	0.38	0.79	88	831	40	7 843	-684.6	1 516.1	1959	85 08 - GPP
64	2.70	0.130	0.25	0.79	88	834	54	10 488	-867.9	1 764.9	1981	93 12
64	3.20	0.120	0.42	0.80	76	837	57	10 239	-870.0	1 785.3	1990	90 12 - GPP
64	4.20	0.150	0.20	0.79	80	884	70	16 179	-1 261.4	2 166.6	1980	90 12
64	3.00	0.250	0.35	0.90	28	865	31	5 359	80.4	723.0	1981	88 12 - GPP
147	2.08	0.160	0.25	0.87	51	898	52	11 179	-682.5	1 480.1	1965	83 12 - GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
WATTS 031-16W4								
LOWER MANNVILLE A	139.0	0.10		13.9		13.9	10.5	3.4
LOWER MANNVILLE B	167.0	0.10		16.7		16.7	9.9	6.8
LOWER MANNVILLE D	231.0	0.05		11.6		11.6	0.1	11.5
LOWER MANNVILLE E	496.0	0.05		24.8		24.8	12.1	12.7
LOWER MANNVILLE I	220.0	0.10		22.0		22.0	13.6	8.4
LOWER MANNVILLE J	418.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE K	161.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE L	36.5	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE N	63.1	<0.01		0.1		0.1	0.1	
BANFF A	50.0	0.10		5.0		5.0	1.8	3.2
BANFF C	557.0	0.05		27.9		27.9	25.4	2.5
BANFF D	829.0	0.10		82.9		82.9	30.7	52.2
BANFF G	114.0	<0.01		0.4		0.4	0.4	
BANFF H	3 442.0	<0.12		386.0		386.0	359.4	26.6
BANFF I	962.0	0.15		144.0		144.0	80.8	63.2
BANFF J	89.1	<0.05		4.1		4.1	4.1	
BANFF L	200.0	0.20		40.0		40.0	26.7	13.3
BANFF M	760.0	0.10		76.0		76.0	30.5	45.5
BANFF N	322.0	0.10		32.2		32.2	11.2	21.0
BANFF O	159.0	0.15		23.9		23.9	21.0	2.9
BANFF P	21.6	<0.01		0.1		0.1	0.1	
BANFF Q	168.0	0.15		25.2		25.2	15.7	9.5
BANFF W	116.0	0.10		11.6		11.6	8.8	2.8
BANFF X	492.0	0.03		14.8		14.8	7.3	7.5
BANFF Y	804.0	0.03		24.1		24.1	17.0	7.1
BANFF Z	421.0	0.10		42.1		42.1	18.9	23.2
BANFF AA	255.0	0.05		12.8		12.8	8.2	4.6
BANFF DD	493.0	0.05		24.7		24.7	13.0	11.7
FIELD TOTAL	12 186.3			1 067.2		1 067.2	727.6	339.6
WAYNE-ROSEDALE 027-20W4								
VIKING H	73.6	0.10		7.3		7.3	5.3	2.0
VIKING M	106.0	<0.04		4.2		4.2	4.2	
UPPER MANNVILLE E	176.0	<0.02		1.9		1.9	1.9	
GLAUCONITIC F	159.0	<0.01		0.9		0.9	0.9	
GLAUCONITIC L	130.0	0.10		13.0		13.0	7.2	5.8
GLAUCONITIC M	109.0	<0.03		2.7		2.7	2.7	
GLAUCONITIC N	107.0	<0.02		1.6		1.6	1.6	
GLAUCONITIC DD	93.7	<0.01		0.4		0.4	0.4	
GLAUCONITIC EE	105.0	0.10		10.5		10.5	0.1	10.4
GLAUCONITIC KK	107.0	0.10		10.7		10.7	2.7	8.0
GLAUCONITIC PP	167.0	0.15		25.1		25.1		25.1
GLAUCONITIC QQ	239.0	0.10		23.9		23.9	1.9	22.0
OSTRACOD D	78.3	0.10		7.8		7.8	4.2	3.6
OSTRACOD J	175.0	0.10		17.5		17.5	5.4	12.1
OSTRACOD M	224.0	0.15		33.6		33.6	22.6	11.0
BASAL QUARTZ B	10 900.0	0.08		872.0		872.0	777.8	94.2
BASAL QUARTZ E	4 504.0	0.03		135.0		135.0	94.4	40.6
BASAL QUARTZ F	105.0	<0.11		10.8		10.8	10.6	0.2
BASAL QUARTZ G	76.8	<0.01		0.1		0.1	0.1	
BASAL QUARTZ H	157.0	<0.02		2.5		2.5	2.5	
BASAL QUARTZ O	149.0	0.04		6.0		6.0	5.2	0.8
BASAL QUARTZ U	132.0	<0.01		0.2		0.2	0.2	
BASAL QUARTZ AA	124.0	<0.01		0.3		0.3	0.3	
BASAL QUARTZ BB	357.0	<0.01		0.3		0.3	0.3	
BASAL QUARTZ DD	84.3	0.06		5.1		5.1	3.7	1.4
BASAL QUARTZ EE	205.0	<0.01		0.1		0.1	0.1	
BASAL QUARTZ FF	156.0	<0.01		0.1		0.1	0.1	
BASAL QUARTZ GG	2 731.0	0.10		273.0		273.0	180.1	92.9
BASAL QUARTZ NN	291.0	<0.01		0.1		0.1	0.1	
BASAL QUARTZ OO	463.0	0.10		46.3		46.3	20.6	25.7
BASAL QUARTZ PP	441.0	<0.03		11.0		11.0	8.4	2.6
BASAL QUARTZ QQ	184.0	0.10		18.4		18.4	7.7	10.7
BASAL QUARTZ RR	150.0	0.10		15.0		15.0	6.9	8.1
BASAL QUARTZ VV	424.0	0.02		8.5		8.5	2.3	6.2
BASAL QUARTZ CCC	300.0	0.05		15.0		15.0	8.1	6.9
BASAL QUARTZ FFF	85.2	<0.01		0.5		0.5	0.5	
BASAL QUARTZ GGG	214.0	0.04		8.6		8.6	5.9	2.7
BASAL QUARTZ JJJ	1 156.0	0.10		116.0		116.0	13.9	102.1
BASAL QUARTZ LLL	168.0	0.10		16.8		16.8	2.2	14.6

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
64	2.00	0.210	0.40	0.86	56	850	32	9 235	-396.5	1 217.5	1982	82 08 - GPP
64	2.90	0.170	0.40	0.88	49	867	37	9 365	-342.8	1 206.8	1984	85 01 - GPP
64	3.70	0.180	0.37	0.86	57	850	37	8 173	-331.1	1 155.0	1986	92 04
64	5.80	0.230	0.34	0.88	49	880	36	9 369	-398.6	1 261.4	1986	88 03 - GPP
64	3.00	0.210	0.35	0.84	66	860	35	8 933	-394.7	1 207.5	1986	88 01 - GPP
64	4.70	0.210	0.24	0.87	51	853	42	8 974	-406.7	1 281.2	1987	88 06 - ABAND 89 09
64	3.00	0.140	0.35	0.92	30	853	38	9 554	-390.0	1 264.5	1987	91 10 - ABAND 89 09
16	3.70	0.140	0.45	0.80	79	877	56	9 757	-413.7	1 266.9	1989	92 10 - ABAND 92 08
64	1.10	0.180	0.40	0.83	64	844	47	8 978	-398.9	1 269.6	1987	88 03 - ABAND 90 03
64	4.86	0.035	0.46	0.85	61	849	42	9 442	-409.3	1 271.2	1970	86 10 - GPP
259	4.71	0.070	0.26	0.88	58	862	40	9 504	-403.9	1 275.4	1984	91 12
384	5.72	0.060	0.26	0.85	60	864	39	9 956	-351.5	1 217.5	1984	85 12 - GPP
64	6.30	0.045	0.26	0.85	60	882	42	9 245	-406.1	1 247.0	1985	89 12
805	7.96	0.080	0.21	0.85	55	860	47	9 317	-395.0	1 254.1	1986	90 03
192	14.18	0.054	0.23	0.85	61	885	42	9 582	-417.5	1 245.8	1986	88 01 - GPP
64	7.00	0.030	0.22	0.85	66	860	33	9 019	-408.0	1 257.3	1982	93 01 - ABAND 92 10
72	6.60	0.080	0.38	0.85	61	849	42	9 708	-408.5	1 251.5	1981	88 12 - GPP
423	5.64	0.050	0.25	0.85	61	877	42	9 518	-414.1	1 233.8	1982	87 11 - GPP
64	16.00	0.050	0.26	0.85	61	882	42	9 588	-441.0	1 289.1	1986	86 12 - GPP
64	7.50	0.060	0.35	0.85	66	883	31	9 548	-413.7	1 235.8	1986	87 01
16	6.30	0.040	0.37	0.85	66	883	31	9 362	-402.2	1 240.0	1986	92 12 - ABAND 92 10
64	11.00	0.040	0.30	0.85	66	883	31	9 702	-413.2	1 232.5	1986	89 12 - GPP
32	9.50	0.060	0.25	0.85	63	849	42	8 811	-402.6	1 252.8	1986	93 12 - GPP
64	27.00	0.050	0.33	0.85	61	850	30	9 648	-421.1	1 269.2	1987	89 12
192	14.28	0.050	0.31	0.85	61	849	42	9 129	-421.5	1 280.0	1987	91 12 - GPP
128	12.56	0.040	0.23	0.85	61	849	42	9 236	-417.3	1 267.1	1987	89 12 - GPP
64	9.60	0.065	0.25	0.85	61	845	42	9 206	-412.9	1 250.0	1987	89 11
64	21.00	0.065	0.32	0.83	64	875	47	8 574	-425.0	1 300.0	1987	91 12 - GPP
65	0.91	0.220	0.35	0.87	54	811	39	6 657	-249.2	1 042.3	1973	76 05 - GPP
64	1.22	0.240	0.35	0.87	54	811	32	8 011	-250.8	1 053.6	1977	88 12
16	14.00	0.140	0.30	0.80	88	857	40	10 096	-440.1	1 432.3	1979	92 12 - GPP
65	1.86	0.200	0.20	0.82	80	829	43	9 784	-511.2	1 350.6	1961	82 12 - ABAND 90 10
64	3.10	0.140	0.46	0.87	53	876	46	10 055	-523.1	1 338.1	1973	79 01 - GPP
16	5.50	0.230	0.39	0.88	47	892	46	9 649	-533.3	1 343.3	1978	92 12 - GPP
16	6.10	0.180	0.25	0.81	64	856	52	9 530	-508.0	1 224.8	1958	92 12 - GPP
64	2.20	0.150	0.49	0.87	50	869	45	8 604	-536.3	1 329.5	1984	88 12
64	1.90	0.170	0.39	0.83	66	860	43	9 080	-426.9	1 220.9	1984	85 12
64	1.40	0.190	0.23	0.82	56	857	45	9 511	-432.9	1 377.4	1989	89 08 - GPP
64	3.00	0.190	0.39	0.75	120	847	52		-609.9	1 419.2	1993	93 11
64	3.20	0.200	0.33	0.87	60	849	44	9 860	-462.0	1 369.6	1991	92 11
64	1.50	0.170	0.40	0.80	98	869	39	9 044	-443.8	1 446.3	1980	81 07 - GPP
128	1.07	0.210	0.24	0.80	62	870	43	8 958	-432.9	1 391.5	1979	86 12 - GPP
128	1.89	0.190	0.39	0.80	82	870	40	9 060	-445.9	1 400.0	1987	93 12
1 463	11.83	0.160	0.52	0.82	71	870	44	10 490	-540.6	1 393.5	1954	86 01 - GPP
830	7.56	0.150	0.45	0.87	48	878	47	10 390	-521.5	1 353.0	1959	90 02 - GPP
110	1.00	0.170	0.30	0.80	74	870	48	10 464	-537.2	1 374.8	1957	93 12 - GPP
16	10.70	0.123	0.55	0.81	71	870	43	9 886	-512.5	1 374.2	1962	63 02 - ABAND 63 08
16	9.14	0.180	0.27	0.81	74	870	48	10 193	-583.1	1 439.9	1961	71 05 - ABAND 83 02
65	2.44	0.226	0.49	0.82	53	860	38	10 148	-439.6	1 445.4	1959	78 10 - GPP
16	6.71	0.220	0.32	0.82	74	865	49	9 986	-420.1	1 364.4	1971	92 11 - ABAND 72 06
16	7.50	0.190	0.35	0.84	68	857	38	9 384	-457.2	1 414.8	1979	92 11 - ABAND 81 08
64	8.20	0.160	0.50	0.85	68	857	40	9 914	-468.5	1 455.9	1979	82 12 - ABAND 81 05
32	3.66	0.150	0.40	0.80	67	857	41	8 677	-449.8	1 360.8	1979	92 12 - GPP
64	4.39	0.140	0.35	0.80	88	857	41	10 605	-474.6	1 494.0	1979	83 12
64	3.90	0.120	0.35	0.80	88	857	44	10 185	-497.3	1 443.3	1979	80 08 - GPP
826	4.92	0.150	0.44	0.80	63	862	38	9 748	-441.0	1 362.3	1976	92 06 - GPP
64	6.00	0.170	0.45	0.81	58	883	39	9 727	-497.8	1 390.3	1981	82 11
128	9.30	0.120	0.60	0.81	72	863	38	9 742	-452.0	1 202.5	1981	85 12 - GPP
64	12.00	0.140	0.50	0.82	70	872	47	9 938	-438.6	1 289.0	1981	93 12 - GPP
64	5.00	0.140	0.50	0.82	70	882	47	9 871	-440.7	1 254.2	1980	83 01 - GPP
64	5.30	0.120	0.55	0.82	74	819	39	8 817	-444.2	1 229.2	1982	83 01 - GPP
64	9.40	0.160	0.45	0.80	60	876	52	9 646	-457.9	1 336.3	1980	85 12
200	2.82	0.130	0.53	0.87	53	885	40	8 693	-443.7	1 213.9	1984	93 12
16	9.00	0.140	0.52	0.88	48	878	47	9 326	-408.0	1 315.5	1986	92 10
64	4.30	0.180	0.48	0.83	70	857	30	9 898	-454.2	1 257.0	1977	87 01 - GPP
128	12.67	0.150	0.46	0.88	48	878	46	9 536	-494.4	1 377.4	1989	91 09 - GPP
64	2.80	0.190	0.40	0.82	70	869	47	9 806	-474.6	1 352.2	1991	92 05

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
WAYNE-ROSEDALE 027-20W4 (CONTINUED)								
BASAL QUARTZ MMM	110.0	0.02		2.2		2.2	0.1	2.1
BANFF C	300.0	<0.18		51.6		51.6	43.2	8.4
FIELD TOTAL	26 016.9			1 776.6		1 776.6	1 256.4	520.2
WEMBLEY 073-08W6								
CHARLIE LAKE A	90.1	0.11		9.9		9.9	8.9	1.0
CHARLIE LAKE B	177.0	0.10		17.7		17.7	12.3	5.4
CHARLIE LAKE C	146.0	0.10		14.6		14.6	4.7	9.9
CHARLIE LAKE D	137.0	0.20		27.4		27.4	23.4	4.0
CHARLIE LAKE F	176.0	0.15		26.4		26.4	8.8	17.6
CHARLIE LAKE G	143.0	0.20		28.6		28.6	23.8	4.8
CHARLIE LAKE H & I	134.0	0.11		14.7		14.7	3.1	11.6
HALFWAY R	49.6	0.01		0.5		0.5	0.5	
HALFWAY U	99.0	0.15		14.9		14.9	5.1	9.8
HALFWAY V	142.0	0.10		14.2		14.2	3.8	10.4
HALFWAY B	23 000.0	0.20		4 600.0		4 600.0	2 643.0	1 957.0
DOIG E	2 817.0	0.10		282.0		282.0	227.4	54.6
DOIG F	70.5	0.15		10.6		10.6	0.8	9.8
DOIG G	1 205.0	0.03		36.2		36.2	24.6	11.6
DOIG H	104.0	0.10		10.4		10.4	1.4	9.0
FIELD TOTAL	28 490.2			5 108.1		5 108.1	2 991.6	2 116.5
WEST COVE 055-06W5								
NORDEGG-BANFF A	224.0	<0.01		2.1		2.1	2.1	
NORDEGG-BANFF B	144.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL	368.0			2.2		2.2	2.2	
WEST DRUMHELLER 030-20W4								
D-2 A	10 040.0	0.48		4 819.0		4 819.0	4 640.1	178.9
D-2 B	30.4	<0.01		0.1		0.1	0.1	
IRETON A	326.0	0.16		52.2		52.2	49.1	3.1
D-3 A	1 490.0	0.65		969.0		969.0	814.5	154.5
D-3 B	97.4	<0.01		0.6		0.6	0.6	
FIELD TOTAL	11 983.8			5 840.9		5 840.9	5 504.4	336.5
WEST PRAIRIE 072-15W5								
GILWOOD A	169.0	0.20		33.8		33.8	6.4	27.4
FIELD TOTAL	169.0			33.8		33.8	6.4	27.4
WESTEROSE 046-28W4								
BELLY RIVER A	451.0	0.05		22.6		22.6	4.2	18.4
LOWER MANNVILLE G	50.4	0.10		5.0		5.0	0.2	4.8
D-3	31 000.0	0.75		23 250.0		23 250.0	22 514.5	735.5
FIELD TOTAL	31 501.4			23 277.6		23 277.6	22 518.9	758.7
WESTEROSE SOUTH 043-02W5								
VIKING A	148.0	0.15		22.2		22.2	10.5	11.7
GLAUCONITIC C	185.0	0.10		18.5		18.5	2.1	16.4
GLAUCONITIC D	377.0	0.05		18.9		18.9	2.4	16.5
OSTRACOD A	17.0	<0.01		0.1		0.1	0.1	
BASAL QUARTZ A	256.0	<0.01		0.2		0.2	0.2	
BASAL QUARTZ D	359.0	<0.01		2.1		2.1	2.1	
BASAL QUARTZ E	125.0	<0.04		4.2		4.2	4.2	
BASAL QUARTZ G	25.5	<0.04		0.9		0.9	0.9	
BANFF A	70.8	0.05		3.5		3.5	0.4	3.1
FIELD TOTAL	1 563.3			70.6		70.6	22.9	47.7
WESTLOCK 059-25W4								
VIKING R	840.0	<0.01		3.3		3.3	3.3	
FIELD TOTAL	840.0			3.3		3.3	3.3	

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
16	10.60	0.140	0.44	0.83	66	855	49	9 466	-485.0	1 328.1	1991	92 11
193	2.80	0.140	0.51	0.81	59	877	36	9 946	-472.7	1 380.6	1980	93 12 - GPP
64	2.00	0.110	0.20	0.80	75	832	59	19 879	-1 341.8	2 077.4	1981	93 12 - GPP
64	3.00	0.139	0.15	0.78	183	832	83	19 635	-1 342.6	2 064.3	1980	81 05 - GPP
64	2.80	0.120	0.13	0.78	91	845	72	19 611	-1 395.6	2 189.2	1982	86 02 - GPP
128	2.07	0.090	0.18	0.70	135	840	66	24 574	-1 346.5	2 033.2	1979	89 04
64	2.40	0.180	0.15	0.75	120	823	76	19 326	-1 354.8	2 080.4	1985	86 09 - GPP
171	1.35	0.109	0.15	0.67	140	833	72	24 699	-1 332.9	2 054.7	1986	91 12
64	2.70	0.140	0.24	0.73	115	820	77	28 520	-1 491.3	2 281.5	1990	91 05 - GPP
64	2.55	0.090	0.48	0.65	183	807	83	20 871	-1 443.4	2 163.4	1984	85 07
64	3.80	0.082	0.32	0.73	123	830	76	20 254	-1 372.9	2 049.9	1985	85 12 - GPP
64	6.50	0.070	0.25	0.65	183	805	83	19 514	-1 353.6	2 023.6	1990	91 07
7 200	6.60	0.102	0.27	0.65	183	802	83	22 486	-1 393.6	2 110.7	1978	87 10
592	13.71	0.070	0.26	0.67	162	802	76	21 906	-1 434.3	2 149.9	1980	89 12 - GPP
64	2.90	0.070	0.19	0.67	140	838	73	21 234	-1 404.1	2 143.6	1984	84 12 - GPP
192	18.16	0.075	0.28	0.64	171	809	81	23 341	-1 514.4	2 306.1	1982	92 08 - GPP
64	2.75	0.100	0.12	0.67	162	802	76	21 845	-1 322.3	2 069.3	1989	92 11 - GPP
16	16.17	0.156	0.37	0.88	50	904	45	11 420	-704.8	1 469.8	1980	92 11 - ABAND 89 03
32	6.70	0.120	0.39	0.92	27	919	43	8 951	-689.4	1 460.6	1984	85 06 - ABAND 87 03
1 730	14.00	0.070	0.20	0.74	120	815	56	13 879	-883.5	1 679.6	1952	92 12 - GPP
64	2.00	0.045	0.40	0.88	120	833	44	13 373	-896.1	1 700.0	1985	85 11 - ABAND 91 09
445	3.05	0.040	0.25	0.80	78	811	64	13 901	-899.4	1 712.4	1954	93 12 - GPP
324	7.50	0.087	0.13	0.81	69	839	57	14 183	-909.8	1 723.8	1954	92 12 - GPP
64	2.50	0.120	0.41	0.86	45	848	66	14 275	-921.2	1 701.8	1991	92 08 - ABAND 92 05
64	2.50	0.170	0.30	0.89	36	835	86	24 013	-1 637.6	2 271.3	1990	90 09 - GPP
64	9.30	0.189	0.55	0.89	52	845	33	6 552	-72.3	932.0	1986	86 08 - GPP
32	3.10	0.120	0.45	0.77	95	882	66	11 189	-802.9	1 655.3	1989	92 06
652	72.67	0.105	0.07	0.67	166	820	82	18 069	-1 312.3	2 208.9	1952	90 12 - GPP
128	2.57	0.087	0.37	0.82	80	827	51	15 432	-813.5	1 747.2	1986	90 07 - GPP
32	11.30	0.120	0.46	0.79	92	862	52	16 142	-976.2	1 998.3	1989	91 03
32	15.16	0.120	0.28	0.90	62	895	56	12 383	-819.1	1 731.8	1992	93 08
64	0.80	0.065	0.36	0.80	74	870	72	16 484	-966.3	1 868.3	1980	89 12
64	5.50	0.130	0.30	0.80	86	882	60	12 726	-987.8	1 889.8	1980	83 12 - ABAND 87 06
64	5.00	0.165	0.15	0.80	85	851	59	16 341	-888.9	1 852.0	1984	89 12 - ABAND 90 06
64	3.30	0.095	0.17	0.75	120	854	60	18 117	-988.0	1 992.6	1985	92 12 - ABAND 92 10
64	1.00	0.090	0.32	0.65	174	812	80	17 664	-952.4	1 904.7	1988	91 10 - ABAND 90 05
32	2.80	0.130	0.24	0.80	90	910	49	12 977	-824.8	1 771.6	1980	91 12 - GPP
740	1.81	0.150	0.56	0.95	42	837	29	4 417	-109.6	777.5	1976	93 01 - ABAND 92 09

TABLE 2-6

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
WESTPEM 049-13W5								
BELLY RIVER A	68.5	0.10		6.9		6.9	0.4	6.5
BELLY RIVER B	130.0	0.15		19.5		19.5	1.1	18.4
SECOND WHITE	38.6	0.10		3.9		3.9	2.1	1.8
SPECKS A								
OSTRACOD A	249.0	0.10		24.9		24.9	9.4	15.5
OSTRACOD B	78.0	0.10		7.8		7.8	5.9	1.9
OSTRACOD C	39.2	<0.01		0.2		0.2	0.2	
OSTRACOD D	69.7	0.10		7.0		7.0	5.0	2.0
OSTRACOD E	31.1	0.20		6.2		6.2	5.5	0.7
OSTRACOD F	174.0	0.20		34.8		34.8	17.1	17.7
OSTRACOD G	1 000.0	0.20		200.0		200.0	54.1	145.9
OSTRACOD H	107.0	0.10		10.7		10.7	2.5	8.2
OSTRACOD I	61.4	0.10		6.1		6.1	0.3	5.8
OSTRACOD K	126.0	0.20		25.2		25.2	3.4	21.8
OSTRACOD J & ELLERSLIE A	102.0	0.25		25.5		25.5	9.4	16.1
NISKU A SOLVENT FLOOD	2 850.0	0.40	0.43	1 140.0	1 225.0	2 365.0	2 175.1	189.9
NISKU C SOLVENT FLOOD	4 000.0	0.40	0.40	1 600.0	1 600.0	3 200.0	2 861.7	338.3
NISKU D SOLVENT FLOOD	2 400.0	0.40	0.42	960.0	1 008.0	1 968.0	1 768.2	199.8
FIELD TOTAL	11 524.5			4 078.7	3 833.0	7 911.7	6 921.4	990.3
WHITECOURT 060-11W5								
VIKING A	32.3	<0.02		0.5		0.5	0.5	
VIKING C	73.1	0.10		7.3		7.3	1.8	5.5
JURASSIC K	89.8	0.15		13.5		13.5	11.9	1.6
JURASSIC L	156.0	<0.01		0.1		0.1	0.1	
PEKISKO F	62.8	0.05		3.1		3.1	0.2	2.9
FIELD TOTAL	414.0			24.5		24.5	14.5	10.0
WHITEMUD 051-25W4								
BLAIRMORE	238.0	<0.18		42.2		42.2	42.2	
ELLERSLIE A	215.0	<0.01		0.4		0.4	0.4	
FIELD TOTAL	453.0			42.6		42.6	42.6	
WIDEWATER 073-07W5								
GILWOOD A	1 008.0	0.25		252.0		252.0	96.7	155.3
FIELD TOTAL	1 008.0			252.0		252.0	96.7	155.3
WILDUNN CREEK 029-14W4								
BANFF A	158.0	0.10		15.8		15.8	2.6	13.2
FIELD TOTAL	158.0			15.8		15.8	2.6	13.2
WILDWOOD 054-09W5								
BASAL QUARTZ A	204.0	0.02		4.1		4.1	2.4	1.7
PEKISKO A	499.0	<0.02		8.5		8.5	8.5	
FIELD TOTAL	703.0			12.6		12.6	10.9	1.7
WILLESSEN GREEN 042-07W5								
BELLY RIVER A WATER FLOOD	1 220.0	0.06	0.06	73.2	73.2	146.0	116.4	29.6
BELLY RIVER B	2 179.0	0.02		43.6		43.6	37.7	5.9
BELLY RIVER C	42.5	0.15		6.4		6.4	5.1	1.3
BELLY RIVER H	331.0	0.12		39.7		39.7	32.7	7.0
BELLY RIVER J	200.0	0.10		20.0		20.0	16.4	3.6
BELLY RIVER L	307.0	0.03		9.2		9.2	8.9	0.3
BELLY RIVER M	351.0	<0.01		0.1		0.1	0.1	
BELLY RIVER N	628.0	0.03		18.8		18.8	1.6	17.2
BELLY RIVER O	325.0	0.03		9.8		9.8	5.4	4.4
BELLY RIVER Q	359.0	<0.01		0.6		0.6	0.6	
BELLY RIVER R	454.0	0.03		13.6		13.6	2.7	10.9
BELLY RIVER T	165.0	0.02		3.3		3.3	1.9	1.4

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
32	3.90	0.120	0.48	0.88	98	830	47	11 094	-561.3	1 548.7	1991	92 12 - GPP
64	3.70	0.120	0.43	0.80	80	810	49	11 227	-575.4	1 550.5	1991	92 06
64	2.00	0.050	0.15	0.71	120	820	63	14 501	-1 119.4	2 104.0	1988	88 12 - GPP
64	4.00	0.150	0.10	0.72	125	811	88	17 123	-1 497.0	2 461.2	1981	82 11 - GPP
64	2.40	0.083	0.15	0.72	110	778	80	32 293	-1 450.2	2 432.7	1983	84 09
64	1.70	0.085	0.20	0.53	165	805	97	32 890	-1 688.6	2 738.7	1985	87 12 - ABAND 93 03
64	1.58	0.114	0.16	0.72	110	786	95	27 381	-1 422.5	2 393.9	1986	86 09 - GPP
64	1.00	0.090	0.25	0.72	185	854	96	22 692	-1 416.4	2 389.5	1988	90 12 - GPP
128	3.00	0.085	0.30	0.76	260	812	96	38 633	-1 708.5	2 787.4	1988	89 12
156	1.38	0.110	0.25	0.76	125	807	85	26 678	-1 466.8	2 456.3	1990	93 12
64	1.60	0.170	0.17	0.74	116	821	78	30 322	-1 542.8	2 549.3	1990	91 05
64	1.80	0.090	0.25	0.79	114	814	89	31 737	-1 706.6	2 803.4	1989	92 04
64	3.50	0.100	0.26	0.76	81	795	96	-1 546.5	2 542.2	1992	93 05	
64	2.40	0.115	0.22	0.74	160	826	92	25 728	-1 499.7	2 497.9	1991	92 10
61	85.63	0.100	0.12	0.62	208	815	100	38 330	-1 993.2	2 930.8	1977	93 12 - GPP
60	90.35	0.110	0.14	0.78	130	824	104	32 012	-2 056.6	3 033.3	1979	85 02 - GPP
88	47.29	0.117	0.07	0.53	328	798	104	41 064	-2 131.6	3 141.2	1979	93 12 - GPP
65	0.61	0.170	0.40	0.80	82	844	66	8 383	-459.0	1 252.4	1968	71 05 - ABAND 70 05
64	1.75	0.150	0.50	0.87	50	836	56	-484.9	1 278.3	1988	93 08 - GPP	
64	3.00	0.110	0.50	0.85	52	864	68	11 050	-866.2	1 715.1	1976	88 12 - GPP
16	9.55	0.185	0.38	0.89	88	887	70	16 384	-919.0	1 826.6	1987	93 10 - ABAND 93 06
16	4.00	0.180	0.38	0.88	47	951	62	12 764	-766.4	1 532.5	1987	88 05
81	3.47	0.150	0.30	0.81	77	839	53	9 298	-547.2	1 243.0	1949	74 12 - ABAND 70 09
64	3.20	0.190	0.30	0.79	97	840	54	9 290	-575.9	1 265.0	1987	92 10
285	3.70	0.170	0.27	0.77	95	817	62	19 084	-1 154.5	1 852.9	1990	93 07
64	3.90	0.080	0.10	0.88	51	877	43	9 230	-322.1	1 117.5	1990	91 07 - GPP
64	4.20	0.130	0.20	0.73	128	839	65	16 469	-966.4	1 767.5	1980	86 12
128	5.21	0.120	0.22	0.80	75	852	58	13 045	-913.7	1 732.5	1982	89 12
324	4.24	0.140	0.28	0.88	62	815	53	9 119	-430.2	1 542.8	1961	85 12 - GPP
512	4.86	0.137	0.23	0.83	62	815	54	9 200	-467.4	1 564.2	1956	89 12 - GPP
30	1.22	0.200	0.30	0.83	60	815	53	9 074	-427.1	1 547.5	1961	90 07 - GPP
64	6.85	0.130	0.30	0.83	62	820	47	9 303	-636.7	1 596.2	1968	88 12 - GPP
245	0.91	0.154	0.30	0.83	59	815	52	9 636	-591.9	1 529.2	1955	88 12
65	5.18	0.153	0.28	0.83	67	815	53	9 055	-419.4	1 486.5	1962	80 12 - GPP
64	6.30	0.150	0.30	0.83	58	815	52	7 606	-309.3	1 390.0	1978	82 12
128	7.70	0.137	0.44	0.83	65	825	56	8 264	-430.8	1 413.5	1981	89 11 - GPP
64	5.90	0.140	0.26	0.83	66	831	42	8 729	-411.0	1 461.2	1982	86 12 - GPP
64	5.30	0.150	0.15	0.83	65	773	55	8 752	-414.1	1 532.1	1982	85 12 - ABAND 82 12
128	5.98	0.130	0.45	0.83	61	835	55	8 259	-390.5	1 391.6	1982	89 01 - GPP
64	3.70	0.120	0.30	0.83	61	835	55	10 326	-648.0	1 578.7	1983	86 12 - GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
WILLESDEN GREEN 042-07W5 (CONTINUED)								
BELLY RIVER Y	85.5	0.10		8.6		8.6	1.3	7.3
BELLY RIVER Z	124.0	<0.01		0.4		0.4	0.4	
BELLY RIVER BB	185.0	0.03		5.6		5.6	1.7	3.9
BELLY RIVER DD	70.1	0.10		7.0		7.0	0.5	6.5
BELLY RIVER EE	388.0	0.07		27.2		27.2	19.7	7.5
BELLY RIVER HH	148.0	<0.01		0.3		0.3	0.3	
BELLY RIVER II	426.0	0.05		21.3		21.3	11.2	10.1
BELLY RIVER JJ	115.0	0.05		5.8		5.8	4.5	1.3
BELLY RIVER MM	217.0	0.10		21.7		21.7	7.0	14.7
BELLY RIVER NN	178.0	0.10		17.8		17.8	1.1	16.7
BELLY RIVER OO	457.0	0.05		22.9		22.9	11.9	11.0
BELLY RIVER PP	229.0	<0.01		0.3		0.3	0.3	
BELLY RIVER QQ	97.6	0.05		4.9		4.9	3.9	1.0
BELLY RIVER RR	455.0	0.10		45.5		45.5	23.9	21.6
BELLY RIVER SS	160.0	0.05		8.0		8.0	0.1	7.9
BELLY RIVER TT	209.0	0.10		20.9		20.9	1.5	19.4
BELLY RIVER UU	147.0	0.10		14.7		14.7	3.1	11.6
BELLY RIVER VV	160.0	<0.01		0.2		0.2	0.2	
BELLY RIVER WW	405.0	0.05		20.2		20.2	0.7	19.5
BELLY RIVER W & X	442.0	0.05		22.1		22.1	4.2	17.9
BELLY RIVER FF & XX	114.0	0.10		11.4		11.4	0.6	10.8
BELLY RIVER AAA	89.2	0.10		8.9		8.9	2.2	6.7
CARDIUM D	122.0	0.07		8.6		8.6	1.0	7.6
CARDIUM E	409.0	0.10		40.9		40.9	37.2	3.7
CARDIUM G	88.2	0.05		4.4		4.4	1.7	2.7
CARDIUM H	170.0	0.11		18.7		18.7	14.9	3.8
CARDIUM I	190.0	0.10		19.0		19.0	6.4	12.6
CARDIUM J	243.0	0.02		4.9		4.9	2.5	2.4
CARDIUM K	86.9	<0.02		1.3		1.3	1.3	
CARDIUM L	76.6	<0.01		0.1		0.1	0.1	
CARDIUM A MU #1	141 600.0			11 430.0	15 180.0	26 610.0	18 845.1	7 764.9
TOTAL								
PRIMARY AREA	37 520.0	0.07		2 626.0		2 626.0		
WATER FLOOD AREA	68 500.0	<0.10	0.18	6 320.0	12 700.0	19 020.0		
GAS FLOOD AREA	35 600.0	<0.07	0.07	2 480.0	2 480.0	4 960.0		
SECOND WHITE	54.7	0.20		10.9		10.9	7.0	3.9
SPECKS A								
SECOND WHITE	730.0	0.02		14.6		14.6	8.5	6.1
SPECKS B								
SECOND WHITE	729.0	0.04		29.2		29.2	25.6	3.6
SPECKS D								
SECOND WHITE	573.0	0.15		86.0		86.0	56.7	29.3
SPECKS E								
SECOND WHITE	294.0	0.06		19.1		19.1	13.8	5.3
SPECKS F								
SECOND WHITE	106.0	<0.02		1.2		1.2	1.2	
SPECKS G								
SECOND WHITE	219.0	0.10		21.9		21.9	7.5	14.4
SPECKS H								
SECOND WHITE	356.0	0.10		35.6		35.6	4.7	30.9
SPECKS I								
SECOND WHITE	2 183.0	0.02		43.7		43.7	20.5	23.2
SPECKS K								
SECOND WHITE	2 769.0	0.05		138.0		138.0	31.3	106.7
SPECKS L								
SECOND WHITE	166.0	0.04		6.6		6.6	5.0	1.6
SPECKS M								
SECOND WHITE	336.0	0.10		33.6		33.6	4.4	29.2
SPECKS N								
VIKING A	7 103.0	0.11		781.0		781.0	629.5	151.5
VIKING B	524.0	0.25		131.0		131.0	119.7	11.3
VIKING G	190.0	0.15		28.5		28.5	17.5	11.0
VIKING H	1 650.0	0.05		82.5		82.5	75.9	6.6
VIKING L	28.7	<0.09		2.4		2.4	2.4	
VIKING M	50.7	<0.02		0.6		0.6	0.6	
VIKING Q	19.3	<0.03		0.5		0.5	0.5	
VIKING R	83.9	0.10		8.4		8.4	3.7	4.7
VIKING T	89.8	0.15		13.5		13.5	3.9	9.6
VIKING V	12.3	0.15		1.8		1.8	1.8	
VIKING W	90.1	0.20		18.0		18.0	9.7	8.3
VIKING Y	39.8	<0.02		0.5		0.5	0.5	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
32	4.60	0.140	0.50	0.83	61	835	55	14 340	-566.3	1 542.9	1962	92 06 - GPP
64	2.00	0.180	0.35	0.83	70	844	40	9 240	-445.3	1 509.0	1983	88 12
64	4.59	0.152	0.50	0.83	70	835	51	9 890	-483.7	1 460.8	1984	87 12 - GPP
64	2.00	0.120	0.45	0.83	65	825	55	10 063	-552.7	1 527.5	1985	86 07 - GPP
128	4.21	0.124	0.30	0.83	68	823	52	8 347	-583.7	1 609.5	1982	90 04 - GPP
64	5.00	0.110	0.40	0.70	130	782	54	10 961	-543.8	1 630.1	1987	87 08
128	9.18	0.118	0.63	0.83	65	835	51	9 877	-517.5	1 555.4	1987	88 01
64	3.60	0.120	0.50	0.83	65	835	51	8 429	-475.7	1 593.3	1987	88 01 - GPP
128	2.41	0.128	0.33	0.82	68	816	51	7 569	-365.3	1 360.9	1987	89 05 - GPP
64	3.92	0.133	0.24	0.70	130	781	54	7 960	-405.0	1 530.5	1987	88 08 - GPP
201	2.53	0.161	0.32	0.82	63	810	49	7 521	-394.7	1 418.7	1987	91 12
64	4.60	0.150	0.26	0.70	130	782	54	9 562	-420.7	1 482.4	1987	92 10
64	2.60	0.125	0.33	0.70	130	782	54		-438.3	1 500.0	1987	88 11 - GPP
96	6.31	0.147	0.27	0.70	130	781	54	9 446	-421.4	1 504.3	1988	92 11 - GPP
64	3.90	0.110	0.30	0.83	65	848	52	8 065	-602.6	1 580.7	1976	92 10
64	4.00	0.155	0.38	0.85	54	831	53	7 706	-343.5	1 370.8	1988	89 03
64	3.80	0.150	0.47	0.76	103	824	54	8 753	-391.3	1 431.0	1973	89 05 - GPP
64	2.40	0.180	0.32	0.85	54	782	53	13 475	-407.4	1 432.7	1989	92 10
64	10.50	0.140	0.50	0.86	121	876	54	14 132	-483.7	1 566.8	1983	90 04 - GPP
111	7.29	0.120	0.35	0.70	61	835	55	9 734	-564.0	1 505.6	1964	87 05 - GPP
64	2.45	0.135	0.35	0.83	130	815	54	8 562	-487.0	1 540.8	1986	87 05
32	4.00	0.150	0.46	0.86	121	782	54	8 174	-447.5	1 479.8	1992	93 07
65	4.27	0.080	0.15	0.65	177	825	60	20 328	-912.4	1 824.4	1976	78 09
192	4.26	0.100	0.23	0.65	176	830	55	20 416	-883.4	1 914.1	1978	85 12 - GPP
64	2.90	0.100	0.34	0.72	49	844	60	20 774	-884.3	1 905.4	1965	84 12 - GPP
64	2.78	0.150	0.15	0.75	110	834	60	20 888	-938.9	1 914.6	1975	91 12 - GPP
64	3.00	0.150	0.13	0.76	100	832	60	19 746	-994.4	1 985.3	1979	79 12
64	4.40	0.130	0.15	0.78	97	830	68	20 278	-906.7	1 913.2	1983	86 12 - GPP
64	2.00	0.100	0.13	0.78	97	830	68	19 925	-1 064.0	2 012.0	1979	88 12
64	1.80	0.140	0.34	0.72	110	830	71	21 636	-1 083.6	2 056.0	1980	87 09 - ABAND 89 03
73 397					176	820	60	21 293	-889.9	1 850.8	1954	91 10 - GPP
30 170	1.90	0.114	0.13	0.66								
32 914	2.29	0.153	0.10	0.66								
10 313	4.83	0.111	0.13	0.74								
100	1.22	0.080	0.20	0.70	149	801	71	21 605	-1 051.9	2 050.7	1975	87 12 - GPP
64	10.80	0.220	0.25	0.64	187	818	40	22 965	-1 066.8	2 078.7	1979	82 10 - GPP
128	14.10	0.090	0.30	0.64	186	833	69	24 279	-1 131.6	2 113.8	1979	89 12
242	9.87	0.050	0.25	0.64	180	815	62	23 671	-1 070.0	2 164.8	1985	91 02 - GPP
192	3.59	0.090	0.26	0.64	187	833	69	24 186	-1 119.7	2 128.9	1982	93 12 - GPP
4	35.20	0.150	0.30	0.72	125	820	72	23 182	-1 185.3	2 201.0	1981	92 11
32	17.00	0.090	0.30	0.64	187	833	69	24 155	-1 146.4	2 121.0	1985	93 12 - GPP
64	13.80	0.090	0.30	0.64	187	833	69	23 568	-1 150.5	2 126.6	1985	88 07
128	15.45	0.230	0.25	0.64	187	833	70	20 142	-1 002.2	2 056.7	1985	92 12
341	14.10	0.120	0.25	0.64	187	834	69	20 866	-1 006.9	2 054.2	1989	90 12
16	18.00	0.120	0.25	0.64	187	834	69	22 436	-1 037.1	2 072.0	1989	92 11
64	12.50	0.080	0.25	0.70	129	825	64	23 137	-1 097.6	2 098.3	1989	92 01
7 900	2.41	0.082	0.30	0.65	154	834	74	25 412	-1 199.1	2 211.6	1956	86 01 - GPP
800	1.65	0.090	0.30	0.63	177	815	79	22 795	-1 069.6	2 104.0	1955	92 12 - GPP
90	4.20	0.100	0.25	0.67	166	840	81	26 500	-1 252.8	2 226.6	1980	85 12
384	4.90	0.160	0.13	0.63	180	800	86	22 877	-1 229.1	2 289.9	1983	92 12 - GPP
64	1.10	0.100	0.40	0.68	170	842	57	23 579	-1 106.1	2 126.2	1983	89 12
64	1.30	0.130	0.31	0.68	210	823	70	22 769	-1 217.7	2 277.9	1983	84 10 - ABAND 86 02
64	1.00	0.090	0.50	0.67	166	832	81	24 083	-1 241.5	2 204.5	1984	84 10 - ABAND 86 03
128	1.80	0.080	0.32	0.67	166	832	81	26 247	-1 207.3	2 200.8	1981	90 06
64	5.04	0.063	0.35	0.68	165	824	65	21 517	-1 241.0	2 209.3	1983	85 03
64	0.85	0.060	0.40	0.63	177	818	86	18 911	-1 121.0	2 239.3	1983	85 05 - GPP
64	4.00	0.080	0.45	0.80	160	836	61	26 190	-1 191.0	2 175.2	1984	85 06 - GPP
64	1.77	0.076	0.30	0.66	170	818	80	24 139	-1 276.5	2 287.3	1982	92 10

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
WILLESSEN GREEN								
042-07W5 (CONTINUED)								
VIKING Z	440.0	0.06		26.4		26.4	20.1	6.3
VIKING AA	24.4	0.20		4.9		4.9	4.2	0.7
VIKING BB	37.9	0.15		5.7		5.7	3.9	1.8
VIKING CC	33.8	0.20		6.8		6.8	6.3	0.5
VIKING DD	59.4	0.15		8.9		8.9	1.2	7.7
VIKING EE	45.9	0.20		9.2		9.2	5.6	3.6
GLAUCONITIC D	102.0	<0.01		0.6		0.6	0.6	
GLAUCONITIC E	81.3	<0.03		1.7		1.7	1.7	
GLAUCONITIC A & ELLERSLIE D TOTAL	1 629.0			234.0	70.5	305.0	261.9	43.1
PRIMARY AREA	219.0	0.10		21.9		21.9		
WATER FLOOD AREA	1 410.0	0.15	0.05	212.0	70.5	283.0		
OSTRACOD A	151.0	<0.01		0.6		0.6	0.6	
ELLERSLIE B	134.0	0.10		13.4		13.4	6.3	7.1
ELLERSLIE E	92.2	0.10		9.2		9.2	5.8	3.4
ELLERSLIE F	206.0	<0.01		0.4		0.4	0.4	
ROCK CREEK B	54.0	<0.01		0.2		0.2	0.2	
ROCK CREEK C	135.0	<0.01		1.3		1.3	1.3	
ROCK CREEK D	118.0	<0.01		0.1		0.1		0.1
ROCK CREEK E	56.9	0.10		5.7		5.7	2.1	3.6
ROCK CREEK F	125.0	0.15		18.8		18.8	16.4	2.4
ROCK CREEK G	475.0	0.15		71.3		71.3	5.9	65.4
NORDEGG A	95.3	<0.01		0.6		0.6	0.6	
FIELD TOTAL	176 942.0			13 990.8	15 323.7	29 314.6	20 637.0	8 677.6
WILLINGDON 055-17W4								
VIKING H	87.0	<0.01		0.2		0.2	0.2	
FIELD TOTAL	87.0			0.2		0.2	0.2	
WILLOW 028-17W4								
VIKING B	50.0	<0.01		0.3		0.3	0.3	
FIELD TOTAL	50.0			0.3		0.3	0.3	
WILSON CREEK 043-04W5								
BELLY RIVER A	14 460.0	0.07		1 012.0		1 012.0	324.5	687.5
BELLY RIVER D	1 811.0	0.15		272.0		272.0	124.7	147.3
BELLY RIVER F	128.0	0.10		12.8		12.8	0.3	12.5
BELLY RIVER H	285.0	0.05		14.3		14.3	4.3	10.0
BELLY RIVER I	449.0	0.10		44.9		44.9	19.4	25.5
BELLY RIVER J	237.0	0.05		11.8		11.8	2.7	9.1
CARDIUM A	117.0	<0.01		0.6		0.6	0.6	
CARDIUM B	354.0	0.05		17.7		17.7	9.5	8.2
CARDIUM C	111.0	<0.02		1.4		1.4	1.4	
SECOND WHITE	79.5	<0.01		0.5		0.5	0.5	
SPECKS A								
VIKING A	164.0	0.25		41.0		41.0	28.9	12.1
OSTRACOD A	99.6	<0.01		0.8		0.8	0.8	
BANFF B	224.0	<0.02		4.3		4.3	4.3	
FIELD TOTAL	18 519.1			1 434.1		1 434.1	521.9	912.2
WIMBORNE 034-26W4								
GLAUCONITIC B	454.0	0.10		45.4		45.4	16.6	28.8
PEKISKO C	66.7	0.10		6.7		6.7	0.1	6.6
D-2 A	682.0	0.25		171.0		171.0	108.6	62.4
D-2 B	1 600.0	0.25		400.0		400.0	90.9	309.1
D-3 A	13 000.0	0.31		4 030.0		4 030.0	3 822.3	207.7
FIELD TOTAL	15 802.7			4 653.1		4 653.1	4 038.5	614.6
WINDFALL 060-15W5								
BLUESKY A	297.0	0.10		29.7		29.7	18.3	11.4
GETHING D	96.8	0.10		9.7		9.7	1.9	7.8
RUNDLE A	2 000.0	0.20		400.0		400.0	379.3	20.7
D-2 A	183.0	0.05		9.2		9.2	1.9	7.3
D-3 A	13 400.0	0.22		2 948.0		2 948.0	2 478.1	469.9
D-3 B TOTAL	1 310.0			131.0	32.4	163.0	133.6	29.4
PRIMARY AREA	500.0	0.10		50.0		50.0		

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
512	2.08	0.088	0.29	0.66	150	796	79	22 958	-1 239.5	2 271.2	1982	93 12 - GPP
64	1.00	0.080	0.30	0.68	180	825	70	25 083	-1 424.2	2 402.0	1983	92 11 - GPP
128	1.00	0.064	0.32	0.68	154	833	38	17 536	-1 057.8	2 135.5	1984	88 12 - GPP
100	0.90	0.080	0.30	0.67	180	830	60	22 010	-1 186.8	2 188.5	1985	88 08 - GPP
64	2.00	0.105	0.35	0.68	154	834	74	19 661	-1 069.7	2 109.8	1980	88 09 - GPP
64	1.70	0.090	0.30	0.67	166	832	81	27 486	-1 136.7	2 207.2	1989	90 01 - GPP
32	4.30	0.150	0.25	0.66	171	846	73	25 506	-1 281.8	2 331.5	1981	92 09
64	2.00	0.110	0.23	0.75	95	870	104	23 100	-1 449.6	2 356.0	1984	91 10 - ABAND 88 07
891					106	876	76	25 786	-1 304.3	2 272.7	1963	89 10 - GPP
124	3.58	0.102	0.30	0.69								
767	3.20	0.119	0.30	0.69								
64	3.20	0.130	0.18	0.69	145	838	72	22 707	-1 401.6	2 402.3	1989	90 12 - ABAND 91 07
64	5.20	0.100	0.32	0.59	180	831	86	21 235	-1 389.8	2 404.2	1983	84 09 - GPP
64	2.00	0.120	0.20	0.75	105	850	59	22 006	-1 385.5	2 386.0	1985	85 09 - GPP
64	3.00	0.170	0.11	0.71	125	836	88	23 213	-1 485.0	2 484.2	1985	85 09
64	3.15	0.054	0.38	0.80	83	896	70	14 405	-1 404.9	2 366.3	1982	88 12 - ABAND 84 12
64	5.00	0.090	0.30	0.67	145	835	86	21 291	-1 438.4	2 508.6	1983	92 10
64	3.00	0.093	0.15	0.78	79	891	70	18 834	-1 503.0	2 487.0	1982	83 10 - ABAND 87 12
64	2.18	0.087	0.30	0.67	142	812	90	21 291	-1 439.8	2 412.2	1984	84 09
80	4.20	0.087	0.21	0.54	160	812	89	22 809	-1 419.6	2 483.5	1983	87 12 - GPP
64	12.20	0.130	0.40	0.78	142	867	78	17 280	-1 321.7	2 346.5	1986	92 10
64	3.90	0.095	0.40	0.67	290	830	96	21 767	-1 487.9	2 512.6	1987	92 10
64	1.10	0.240	0.44	0.92	30	878	28	5 110	31.9	648.5	1985	86 03 - ABAND 86 10
64	1.00	0.150	0.40	0.87	50	811	39	6 433	-221.3	1 109.8	1982	83 05 - ABAND 89 07
4 040	5.31	0.140	0.42	0.83	62	833	68	7 087	-325.3	1 288.5	1979	89 09 - GPP
503	4.72	0.150	0.38	0.82	82	815	42	8 474	-347.2	1 310.1	1966	89 10 - GPP
64	2.50	0.150	0.35	0.82	65	800	74	7 593	-379.2	1 340.3	1987	88 12 - GPP
64	6.40	0.140	0.30	0.71	67	807	51	7 623	-324.0	1 281.2	1988	89 09 - GPP
64	8.48	0.140	0.28	0.82	75	830	48	7 661	-328.7	1 357.4	1988	89 09
64	5.50	0.140	0.42	0.83	70	827	35	7 436	-301.0	1 288.6	1972	89 10 - GPP
64	3.50	0.090	0.30	0.83	65	805	58	11 729	-651.4	1 617.1	1982	83 06 - ABAND 87 11
128	2.93	0.150	0.10	0.70	133	829	59	15 069	-639.0	1 626.6	1971	79 07 - GPP
64	2.78	0.097	0.20	0.80	65	805	58	9 867	-639.2	1 607.5	1983	88 12 - ABAND 87 05
64	4.00	0.090	0.50	0.69	130	834	66	18 729	-810.3	1 768.9	1987	92 10 - ABAND 92 10
400	0.70	0.130	0.40	0.75	98	837	72	15 139	-966.4	1 923.2	1987	93 12
64	1.70	0.150	0.14	0.71	122	841	64	26 368	-1 172.1	2 199.7	1987	92 10
64	4.57	0.111	0.20	0.86	53	876	66	19 454	-1 289.9	2 254.0	1974	83 12 - ABAND 92 09
64	6.16	0.200	0.28	0.80	220	766	76	14 853	-852.7	1 772.0	1977	87 05
32	4.80	0.080	0.33	0.81	79	866	73	8 403	-866.8	1 836.1	1957	92 06 - GPP
268	18.99	0.029	0.30	0.66	160	834	78	19 978	-1 294.4	2 251.4	1961	93 12 - GPP
1 793	3.33	0.050	0.20	0.67	210	829	74	20 430	-1 252.7	2 220.2	1956	93 12
6 897	4.50	0.070	0.12	0.68	206	820	79	21 256	-1 310.0	2 284.4	1954	93 12 - GPP
64	6.78	0.120	0.25	0.76	102	849	63	20 256	-1 011.2	2 032.3	1976	76 12 - GPP
64	3.00	0.120	0.40	0.70	156	824	82	15 405	-1 063.6	2 098.7	1979	81 11
864	3.35	0.120	0.20	0.72	118	834	82	17 549	-1 134.9	2 082.4	1957	91 12 - GPP
64	7.90	0.090	0.24	0.53	327	811	96	23 341	-1 710.7	2 534.9	1978	89 04
5 859	8.84	0.060	0.12	0.49	336	811	104	26 042	-1 768.9	2 593.9	1955	83 12 - GPP
424					243	825	103	25 341	-1 865.3	2 635.1	1972	82 12 - GPP
168	12.50	0.050	0.12	0.54								

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
WINDFALL 060-15W5 (CONTINUED)								
GAS FLOOD AREA	810.0	0.10	0.04	81.0	32.4	113.0		
D-3 C	795.0	0.10		79.5		79.5	34.8	44.7
D-3 F	381.0	0.20		76.2		76.2	27.4	48.8
D-3 G	314.0	0.05		15.7		15.7	10.0	5.7
D-3 H	59.5	<0.01		0.5		0.5	0.5	
FIELD TOTAL	18 836.3			3 699.5	32.4	3 731.5	3 085.8	645.7
WINTERING HILLS 025-17W4								
VIKING A	1 400.0	0.42		588.0		588.0	514.8	73.2
VIKING P	448.0	<0.03		9.4		9.4	8.4	1.0
VIKING Q	41.3	<0.01		0.1		0.1	0.1	
VIKING S	175.0	<0.01		0.8		0.8	0.8	
UPPER MANNVILLE S	101.0	0.05		5.1		5.1	0.2	4.9
U MANN I, GLAUC III & LOWER MANNVILLE W	1 885.0	0.02		37.7		37.7	32.8	4.9
LOWER MANNVILLE A	2 210.0	0.03		66.3		66.3	59.4	6.9
LOWER MANNVILLE L	148.0	<0.01		1.2		1.2	1.2	
LOWER MANNVILLE Q	210.0	<0.01		0.7		0.7	0.7	
LOWER MANNVILLE R	129.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE T	660.0	0.06		39.6		39.6	32.3	7.3
LOWER MANNVILLE V	152.0	0.01		1.5		1.5	1.5	
ELLERSLIE A	115.0	<0.02		1.4		1.4	0.8	0.6
FIELD TOTAL	7 674.3			751.9		751.9	653.1	98.8
WIZARD LAKE 048-27W4								
BASAL QUARTZ A	79.3	<0.01		0.5		0.5	0.5	
BASAL QUARTZ B	86.6	<0.01		0.3		0.3	0.3	
D-2 A	613.0	0.18		110.0		110.0	103.9	6.1
D-3 A SOLVENT FLOOD	67 000.0	<0.66	0.20	44 200.0	13 600.0	57 800.0	52 868.8	4 931.2
D-3 B	160.0	<0.07		10.8		10.8	10.8	
FIELD TOTAL	67 938.9			44 321.6	13 600.0	57 921.6	52 984.3	4 937.3
WOKING 075-04W6								
HALFWAY A	255.0	0.05		12.8		12.8	7.4	5.4
HALFWAY B	1 003.0	0.20		201.0		201.0	43.1	157.9
FIELD TOTAL	1 258.0			213.8		213.8	50.5	163.3
WOOD RIVER 043-23W4								
LOWER MANNVILLE A	366.0	0.15		54.9		54.9	47.1	7.8
LOWER MANNVILLE F	33.4	<0.01		0.1		0.1	0.1	
D-2 A	1 250.0	<0.16		190.0		190.0	177.3	12.7
D-2 B	673.0	0.25		168.0		168.0	110.1	57.9
D-2 C WATER FLOOD	1 150.0	0.35	0.18	403.0	207.0	610.0	552.1	57.9
D-2 D	630.0	0.10		63.0		63.0	50.1	12.9
D-2 E WATER FLOOD	1 075.0	0.35	0.15	376.0	162.0	538.0	261.9	276.1
D-3 A	365.0	0.15		54.8		54.8	44.9	9.9
D-3 B	290.0	0.30		87.0		87.0	42.9	44.1
D-3 C	124.0	0.25		31.0		31.0	7.8	23.2
FIELD TOTAL	5 956.4			1 427.8	369.0	1 796.8	1 294.3	502.5
WORSLEY 087-07W6								
CHARLIE LAKE A	826.0	0.35		289.0		289.0	200.1	88.9
CHARLIE LAKE B	6 714.0	0.10		671.0		671.0	333.9	337.1
CHARLIE LAKE C	238.0	0.05		11.9		11.9	0.8	11.1
CHARLIE LAKE D	83.3	0.10		8.3		8.3	0.1	8.2
CHARLIE LAKE G	104.0	0.10		10.4		10.4	0.1	10.3
CHARLIE LAKE H	204.0	0.10		20.4		20.4	3.1	17.3
DOIG A	59.0	0.10		5.9		5.9	1.3	4.6
D-1 A	63.9	0.30		19.2		19.2	4.4	14.8
WINTERBURN A	106.0	0.10		10.6		10.6	3.3	7.3
D-2 A	764.0	0.30		229.0		229.0	103.6	125.4
D-3 F	188.0	0.03		5.6		5.6	5.2	0.4
D-3 M	196.0	0.30		58.8		58.8	8.3	50.5
FIELD TOTAL	9 546.2			1 340.1		1 340.1	664.2	675.9

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
256	13.31	0.050	0.12	0.54								
219	12.00	0.063	0.20	0.60	220	811	103	25 710	-1 882.2	2 747.1	1972	82 09
64	11.50	0.100	0.11	0.58	108	779	104	24 370	-1 916.2	2 851.7	1987	90 05
32	25.06	0.075	0.10	0.58	283	809	107	24 590	-1 922.2	2 907.8	1987	93 12
16	8.10	0.090	0.12	0.58	28	810	107	23 990	-1 920.2	2 908.1	1990	93 12
310	4.01	0.231	0.44	0.87	56	825	27	7 949	-135.5	887.8	1958	64 12
64	6.10	0.220	0.40	0.87	57	825	29	7 914	-137.9	869.1	1978	92 10
64	0.90	0.150	0.45	0.87	57	835	29	7 630	-136.7	876.5	1979	83 12 - ABAND 86 12
64	2.10	0.250	0.40	0.87	56	833	56	8 184	-121.9	861.3	1971	86 12 - GPP
64	2.50	0.130	0.44	0.87	60	849	44	8 915	-393.2	1 196.8	1990	91 07 - GPP
923	2.48	0.160	0.38	0.83	90	866	39	9 815	-428.2	1 239.4	1983	90 04 - GPP
356	6.59	0.179	0.35	0.81	45	887	48	9 920	-405.1	1 287.0	1965	83 12 - GPP
64	1.54	0.210	0.15	0.84	66	860	46	9 776	-395.5	1 255.0	1973	92 10
64	2.90	0.205	0.32	0.81	58	860	36	9 212	-428.0	1 330.3	1979	83 12 - ABAND 88 12
16	10.00	0.150	0.35	0.83	66	857	37	11 161	-423.3	1 322.3	1979	92 11 - ABAND 93 07
64	9.80	0.200	0.35	0.81	45	887	46	9 676	-397.4	1 261.3	1964	93 12 - GPP
16	6.50	0.250	0.28	0.81	64	894	38	9 645	-449.1	1 277.3	1983	92 12 - GPP
16	5.74	0.220	0.30	0.81	45	887	46	9 737	-389.4	1 229.3	1964	83 12 - GPP
32	2.13	0.171	0.20	0.85	50	870	49	10 790	-692.6	1 466.2	1951	61 01 - ABAND 60 04
32	2.44	0.165	0.20	0.84	53	870	49	11 030	-706.0	1 483.5	1952	59 05 - ABAND 60 05
494	5.24	0.041	0.23	0.75	106	839	71	13 690	-929.3	1 714.6	1951	93 12 - GPP
1 075	85.10	0.105	0.07	0.75	109	834	72	15 912	-1 155.4	1 941.1	1951	88 08 - GPP
54	4.45	0.095	0.07	0.75	109	834	77	15 304	-1 287.7	2 111.2	1956	72 05 - ABAND 69 12
128	2.62	0.170	0.42	0.77	150	865	65	13 913	-811.2	1 620.8	1982	93 06
413	2.94	0.150	0.32	0.81	91	828	48	13 930	-812.9	1 540.1	1985	93 10
64	5.79	0.170	0.30	0.83	115	847	57	10 740	-643.6	1 453.1	1956	85 01 - GPP
16	2.00	0.200	0.45	0.95	16	967	41	12 933	-708.8	1 588.0	1982	83 07
468	3.93	0.100	0.14	0.79	80	887	60	16 510	-879.1	1 728.2	1964	84 10
61	23.00	0.080	0.20	0.75	80	887	60	15 872	-860.3	1 708.1	1963	90 12
187	12.00	0.078	0.10	0.73	133	839	62	15 960	-872.9	1 765.3	1972	92 12 - GPP
31	38.74	0.080	0.17	0.79	98	887	60	16 071	-887.9	1 765.9	1983	90 12 - GPP
108	16.36	0.090	0.11	0.76	109	841	72	16 025	-882.4	1 746.4	1974	92 10 - GPP
64	8.10	0.100	0.12	0.80	142	865	61	16 136	-896.7	1 694.2	1957	91 12 - GPP
64	8.44	0.080	0.16	0.80	77	868	61	13 101	-923.6	1 782.8	1981	90 12
32	6.40	0.100	0.19	0.75	100	825	60	12 628	-935.6	1 798.7	1991	92 04
323	2.07	0.190	0.26	0.88	57	844	43	8 550	-284.1	1 089.4	1960	85 08
1 330	5.85	0.160	0.38	0.87	74	832	41	8 500	-318.9	1 042.9	1975	91 07
64	4.10	0.170	0.40	0.89	39	853	42	7 817	-288.4	1 168.3	1990	91 05 - GPP
32	4.35	0.140	0.52	0.89	44	913	45	8 769	-330.6	1 371.8	1990	91 06 - GPP
64	2.00	0.170	0.40	0.80	95	882	20	8 691	-290.4	1 014.9	1991	92 02
32	7.00	0.140	0.26	0.88	46	821	46	8 840	-389.6	1 095.5	1992	93 03
16	4.76	0.140	0.37	0.88	220	827	46	10 689	-407.0	1 115.8	1992	93 12 - GPP
64	6.10	0.030	0.30	0.78	111	832	60	21 112	-1 287.0	1 979.0	1990	91 01 - GPP
32	12.30	0.070	0.41	0.65	170	829	76	19 215	-1 307.5	2 217.6	1992	93 03 - GPP
447	3.75	0.080	0.24	0.75	110	823	76	20 241	-1 327.0	2 170.8	1983	92 11 - GPP
204	4.57	0.070	0.55	0.64	106	825	81	22 086	-1 492.9	2 192.7	1961	91 05 - GPP
64	7.28	0.070	0.25	0.80	210	803	72	19 302	-1 306.1	2 106.8	1977	92 11

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
YEKAU LAKE 052-26W4								
LOWER MANNVILLE A	106.0	<0.04		3.4		3.4	3.4	
LOWER MANNVILLE B	514.0	0.05		25.7		25.7	14.5	11.2
D-2 A	96.1	<0.01		0.1		0.1	0.1	
D-3 A	1 070.0	0.70		749.0		749.0	679.8	69.2
D-3 B	39.4	<0.01		0.3		0.3	0.3	
FIELD TOTAL	1 825.5			778.5		778.5	698.1	80.4
YOUNGSTOWN 031-09W4								
UPPER MANNVILLE A	90.6	<0.01		0.1		0.1	0.1	
ARCS	2 841.0	0.45		1 278.0		1 278.0	949.5	328.5
ARCS B	309.0	0.10		30.9		30.9	12.5	18.4
FIELD TOTAL	3 240.6			1 309.0		1 309.0	962.1	346.9
ZAMA 117-04W6								
SULPHUR POINT A	203.0	<0.02		2.3		2.3	2.3	
SULPHUR POINT B	352.0	<0.01		0.1		0.1	0.1	
SULPHUR POINT C	258.0	<0.02		3.2		3.2	3.2	
SULPHUR POINT D	319.0	0.02		6.4		6.4	2.6	3.8
SULPHUR POINT F	953.0	0.10		95.3		95.3	81.2	14.1
SULPHUR POINT R	78.9	0.10		7.9		7.9	2.5	5.4
SULPHUR POINT T	261.0	<0.01		1.5		1.5	1.5	
SULPHUR POINT U	114.0	0.10		11.4		11.4	0.2	11.2
SULPHUR POINT DD & KEG RIVER WSW	260.0	0.15		39.0		39.0	14.2	24.8
MUSKEG B	120.0	0.25		30.0		30.0	24.3	5.7
MUSKEG C	210.0	<0.19		39.4		39.4	39.4	
MUSKEG F	254.0	<0.10		23.3		23.3	23.3	
MUSKEG G	236.0	<0.08		18.4		18.4	18.4	
MUSKEG H	191.0	0.39		74.5		74.5	65.9	8.6
MUSKEG J	350.0	0.20		70.0		70.0	66.4	3.6
MUSKEG K	29.6	0.01		0.3		0.3	0.3	
MUSKEG L	365.0	0.20		73.0		73.0	69.9	3.1
MUSKEG N	97.7	<0.17		16.0		16.0	16.0	
MUSKEG O	286.0	0.20		57.2		57.2	45.3	11.9
MUSKEG P	127.0	<0.12		14.1		14.1	14.1	
MUSKEG R	159.0	0.35		55.6		55.6	30.7	24.9
MUSKEG S	77.8	<0.17		12.5		12.5	12.5	
MUSKEG T	415.0	0.25		104.0		104.0	67.2	36.8
MUSKEG U	268.0	0.30		80.4		80.4	65.9	14.5
MUSKEG V	400.0	0.30		120.0		120.0	98.5	21.5
MUSKEG W	161.0	<0.07		10.8		10.8	10.8	
MUSKEG X	78.9	<0.05		3.8		3.8	3.8	
MUSKEG Y WATER FLOOD	350.0	0.20	0.10	70.0	35.0	105.0	81.7	23.3
MUSKEG AA	80.3	<0.14		10.6		10.6	10.6	
MUSKEG BB	250.0	<0.08		18.5		18.5	18.5	
MUSKEG DD	100.0	<0.17		16.8		16.8	16.8	
MUSKEG EE	114.0	<0.29		32.8		32.8	32.8	
MUSKEG GG	365.0	0.35		128.0		128.0	94.5	33.5
MUSKEG HH	232.0	<0.02		3.2		3.2	3.2	
MUSKEG II	120.0	0.14		16.8		16.8	16.8	
MUSKEG KK	156.0	0.05		7.8		7.8	4.4	3.4
MUSKEG LL	159.0	0.25		39.8		39.8	33.9	5.9
MUSKEG MM	47.8	<0.11		4.8		4.8	4.8	
MUSKEG NN	351.0	0.15		52.7		52.7	48.3	4.4
MUSKEG OO	80.2	<0.01		0.1		0.1	0.1	
MUSKEG PP	49.9	0.25		12.5		12.5	10.3	2.2
MUSKEG QQ	140.0	0.20		28.0		28.0	6.5	21.5
MUSKEG RR	199.0	0.30		59.7		59.7	20.1	39.6
MUSKEG SS	95.9	<0.04		3.5		3.5	3.5	
MUSKEG TT	140.0	<0.02		1.8		1.8	1.8	
MUSKEG UU	225.0	0.20		45.0		45.0	5.7	39.3
MUSKEG VV	40.2	<0.01		0.2		0.2	0.2	
MUSKEG WW	200.0	0.30		60.0		60.0	27.5	32.5
MUSKEG XX	195.0	0.10		19.5		19.5	9.8	9.7
MUSKEG YY	91.2	<0.02		1.6		1.6	1.6	
MUSKEG ZZ	64.6	0.25		16.2		16.2	1.8	14.4
MUSKEG AAA	556.0	<0.29		159.0		159.0	158.7	0.3
KEG RIVER A	874.0	0.39		342.0		342.0	272.8	69.2
KEG RIVER C	324.0	<0.14		45.0		45.0	45.0	
KEG RIVER D	477.0	0.40		191.0		191.0	123.3	67.7

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
16	7.01	0.150	0.22	0.81	83	855	54	9 571	-543.8	1 257.6	1956	84 12 - GPP
85	5.71	0.180	0.30	0.84	58	810	56	9 570	-570.6	1 276.2	1961	91 12 - GPP
65	5.79	0.042	0.24	0.80	83	820	60	11 490	-747.5	1 464.4	1963	64 12 - ABAND 64 07
250	6.58	0.097	0.15	0.79	87	820	63	11 557	-846.1	1 556.4	1955	86 12
16	7.32	0.060	0.30	0.80	85	849	61	11 363	-846.0	1 552.7	1967	68 12 - ABAND 68 04
64	1.10	0.220	0.35	0.90	44	884	34	9 245	-290.5	1 053.8	1979	83 12 - ABAND 88 07
997	2.76	0.150	0.26	0.93	18	860	42	8 853	-369.1	1 132.4	1956	92 07 - GPP
64	4.70	0.130	0.16	0.94	14	839	44	8 868	-380.2	1 148.7	1987	92 12 - GPP
65	5.79	0.077	0.16	0.84	64	860	66	13 188	-987.4	1 369.9	1967	73 02
65	15.24	0.059	0.30	0.86	52	865	64	12 852	-944.9	1 484.7	1967	69 05
19	25.91	0.070	0.13	0.86	73	839	65	13 009	-955.2	1 339.6	1967	86 12
65	9.75	0.079	0.20	0.80	64	860	64	13 196	-971.6	1 333.7	1967	88 07 - GPP
138	15.95	0.066	0.20	0.82	74	834	69	13 341	-995.9	1 370.5	1967	91 12 - GPP
24	5.49	0.080	0.13	0.86	73	851	65	13 166	-971.5	1 337.9	1967	88 02 - GPP
64	9.30	0.066	0.17	0.80	76	843	68	13 181	-986.6	1 356.3	1985	92 10
64	5.00	0.050	0.12	0.81	76	834	68	13 545	-1 022.4	1 397.3	1986	93 06
64	16.60	0.035	0.22	0.90	32	901	52	13 499	-1 072.3	1 423.3	1983	85 01 - GPP
8	18.00	0.100	0.11	0.94	16	881	66	14 293	-1 088.0	1 454.7	1966	92 12 - GPP
13	23.16	0.090	0.13	0.89	35	870	70	14 398	-1 084.4	1 469.7	1966	91 10 - ABAND 91 03
10	63.89	0.060	0.20	0.83	62	860	72	13 749	-1 042.8	1 497.3	1967	79 01
30	19.48	0.060	0.17	0.81	74	860	73	13 882	-1 058.6	1 556.9	1967	74 12
9	47.06	0.064	0.19	0.87	47	834	70	13 350	-940.2	1 302.2	1967	93 12 - GPP
27	36.82	0.050	0.20	0.88	33	881	72	14 093	-1 064.1	1 452.4	1967	84 08 - GPP
16	6.71	0.046	0.25	0.80	80	887	60	13 737	-1 048.3	1 407.0	1967	71 01 - ABAND 82 09
12	63.84	0.070	0.18	0.83	59	844	77	15 089	-1 144.5	1 513.0	1967	92 05 - GPP
5	55.47	0.046	0.14	0.89	37	881	71	14 093	-1 085.7	1 508.2	1967	82 12
11	49.88	0.069	0.09	0.83	54	844	72	15 093	-1 120.3	1 508.9	1967	73 12 - GPP
11	28.01	0.056	0.21	0.94	16	892	66	14 157	-1 101.4	1 467.8	1967	70 02 - ABAND 85 10
11	40.68	0.055	0.15	0.76	96	834	79	16 054	-1 187.7	1 589.0	1967	73 08 - GPP
11	14.33	0.070	0.15	0.83	39	860	71	14 363	-1 077.7	1 500.2	1967	68 11 - GPP
30	27.70	0.076	0.27	0.90	24	881	68	14 372	-1 089.2	1 460.6	1967	84 09 - GPP
7	66.23	0.080	0.15	0.85	48	887	66	14 782	-1 104.0	1 480.0	1966	88 12 - GPP
15	52.91	0.070	0.20	0.90	29	881	69	14 374	-1 089.3	1 470.7	1966	91 12 - GPP
18	20.88	0.060	0.12	0.81	78	855	71	14 473	-1 108.0	1 562.7	1967	73 10 - ABAND 85 02
12	10.36	0.090	0.14	0.82	67	855	71	14 194	-1 090.1	1 529.9	1968	70 01
42	13.45	0.080	0.10	0.86	45	855	70	14 904	-1 141.9	1 503.4	1968	82 07 - GPP
9	24.14	0.058	0.25	0.85	57	876	71	13 433	-1 069.7	1 490.6	1968	74 11
31	13.90	0.075	0.12	0.88	30	860	71	13 491	-1 072.8	1 468.7	1968	75 12
7	25.00	0.073	0.13	0.90	25	876	67	13 963	-1 053.7	1 446.0	1968	81 09 - ABAND 80 07
3	45.30	0.108	0.09	0.85	42	860	69	14 503	-1 097.1	1 465.3	1968	84 06 - ABAND 88 01
7	67.47	0.100	0.08	0.84	62	887	71	13 209	-1 127.5	1 521.9	1969	73 08 - GPP
16	38.10	0.054	0.20	0.88	41	881	70	12 690	-1 087.1	1 489.4	1968	73 02 - ABAND 82 09
9	24.50	0.079	0.15	0.81	74	860	72	13 921	-1 053.4	1 508.2	1967	78 12 - GPP
17	21.50	0.060	0.19	0.88	32	881	72	14 447	-1 119.3	1 502.4	1969	86 12 - GPP
3	58.20	0.115	0.10	0.88	30	870	67	13 573	-1 088.1	1 454.8	1969	84 12 - GPP
13	27.71	0.024	0.30	0.79	82	855	71	13 313	-1 036.3	1 463.6	1971	74 12 - GPP
25	24.68	0.077	0.11	0.83	56	855	67	15 037	-1 126.6	1 516.7	1972	86 12 - GPP
16	24.08	0.036	0.32	0.85	44	844	36	18 053	-1 169.0	1 553.7	1973	74 05 - ABAND 73 09
6	15.90	0.070	0.10	0.83	91	837	80	13 785	-1 107.2	1 536.8	1982	91 12 - GPP
31	8.24	0.070	0.10	0.87	37	839	74	12 974	-1 063.4	1 499.3	1983	85 04 - GPP
64	8.30	0.060	0.18	0.76	95	834	62	18 131	-1 113.6	1 502.5	1983	84 01 - GPP
16	12.00	0.070	0.14	0.83	54	844	79	13 782	-1 190.9	1 564.0	1983	86 12
16	16.00	0.070	0.11	0.88	35	882	71	18 043	-1 101.7	1 499.3	1984	88 12
39	15.61	0.050	0.16	0.88	35	878	73	14 756	-1 078.1	1 469.8	1984	86 09 - GPP
16	5.60	0.060	0.10	0.83	60	837	77	15 493	-1 188.8	1 578.4	1984	88 12 - ABAND 85 10
36	10.73	0.070	0.15	0.87	41	854	71	14 749	-1 126.3	1 574.0	1985	87 02
64	8.35	0.055	0.19	0.82	59	817	66	18 647	-1 145.7	1 526.8	1986	88 08
64	2.00	0.090	0.10	0.88	37	870	29	14 863	-1 032.5	1 427.5	1987	92 06 - ABAND 90 10
64	1.50	0.090	0.14	0.87	42	882	70	13 563	-1 057.8	1 411.4	1988	89 06 - GPP
10	105.70	0.074	0.10	0.79	74	834	79	14 864	-1 165.2	1 557.2	1967	90 12 - GPP
25	64.33	0.071	0.11	0.86	46	876	68	14 474	-1 099.4	1 464.6	1966	70 06 - GPP
7	82.30	0.077	0.16	0.87	50	870	69	14 853	-1 119.0	1 482.9	1967	83 12 - ABAND 80 04
8	115.56	0.074	0.16	0.83	60	849	72	15 224	-1 178.2	1 563.2	1967	82 12 - GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
ZAMA 117-04W6 (CONTINUED)								
KEG RIVER E	397.0	0.30		119.0		119.0	93.2	25.8
KEG RIVER F	874.0	0.20		175.0		175.0	170.7	4.3
KEG RIVER G	318.0	0.35		111.0		111.0	97.7	13.3
KEG RIVER H	1 750.0	0.30	0.07	525.0	122.0	647.0	594.7	52.3
WATER FLOOD								
KEG RIVER I	192.0	<0.01		0.7		0.7	0.7	
KEG RIVER J	477.0	<0.11		48.1		48.1	47.5	0.6
KEG RIVER K	127.0	0.35		44.5		44.5	36.6	7.9
KEG RIVER L	234.0	0.25		58.5		58.5	49.3	9.2
KEG RIVER M	166.0	0.08		13.3		13.3	2.0	11.3
KEG RIVER N	360.0	0.25	0.10	90.0	36.0	126.0	112.9	13.1
WATER FLOOD								
KEG RIVER O	1 030.0	0.24	0.06	247.0	61.8	309.0	283.6	25.4
WATER FLOOD								
KEG RIVER P	286.0	0.35	0.15	100.0	42.9	143.0	101.1	41.9
WATER FLOOD								
KEG RIVER R	179.0	0.33		59.1		59.1	54.9	4.2
KEG RIVER S	874.0	0.15		131.0		131.0	105.7	25.3
KEG RIVER T	200.0	0.30		60.0		60.0	50.9	9.1
KEG RIVER U	715.0	0.37		265.0		265.0	210.1	54.9
KEG RIVER V	159.0	0.15		23.9		23.9	23.9	
KEG RIVER W	191.0	0.28		53.5		53.5	53.5	
KEG RIVER X	306.0	<0.06		16.5		16.5	16.5	
KEG RIVER Y	261.0	0.15	0.05	39.2	13.1	52.3	44.9	7.4
WATER FLOOD								
KEG RIVER Z	477.0	0.37		176.0		176.0	171.4	4.6
KEG RIVER AA	191.0	0.35		67.0		67.0	60.5	6.5
KEG RIVER BB	238.0	0.35		83.3		83.3	58.2	25.1
KEG RIVER CC	795.0	0.25	0.12	199.0	95.4	294.0	277.9	16.1
WATER FLOOD								
KEG RIVER DD	317.0	<0.08		24.4		24.4	24.4	
KEG RIVER EE	1 030.0	0.25		258.0		258.0	237.0	21.0
KEG RIVER FF	1 270.0	0.30		381.0		381.0	342.6	38.4
KEG RIVER GG	953.0	0.08	0.03	76.2	28.6	105.0	101.5	3.5
WATER FLOOD								
KEG RIVER HH	155.0	0.25		38.8		38.8	34.5	4.3
KEG RIVER II	280.0	0.10		28.0		28.0	15.2	12.8
KEG RIVER JJ	110.0	0.30		33.0		33.0	32.3	0.7
KEG RIVER KK	176.0	0.25	0.15	44.0	26.4	70.4	47.7	22.7
WATER FLOOD								
KEG RIVER LL	173.0	0.27		46.7		46.7	45.4	1.3
WATER FLOOD								
KEG RIVER MM	86.3	0.03		2.6		2.6	2.6	
KEG RIVER NN	636.0	0.25		159.0		159.0	128.4	30.6
KEG RIVER OO	148.0	0.40		59.2		59.2	49.2	10.0
KEG RIVER PP	763.0	0.42		321.0		321.0	209.6	111.4
KEG RIVER QQ	350.0	0.30		105.0		105.0	78.5	26.5
KEG RIVER RR	223.0	<0.29		63.6		63.6	61.8	1.8
KEG RIVER SS	310.0	0.25		77.5		77.5	69.9	7.6
KEG RIVER TT	400.0	0.25	0.10	100.0	40.0	140.0	125.5	14.5
WATER FLOOD								
KEG RIVER UU	138.0	0.20		27.6		27.6	20.7	6.9
KEG RIVER VV	1 350.0	0.35		473.0		473.0	394.6	78.4
KEG RIVER WW	318.0	0.20		63.6		63.6	56.8	6.8
KEG RIVER XX	464.0	<0.20		90.8		90.8	90.8	
KEG RIVER YY	184.0	<0.26	0.05	46.1	9.2	55.3	55.3	
WATER FLOOD								
KEG RIVER ZZ	238.0	<0.25		58.1		58.1	58.1	
KEG RIVER BBB	207.0	0.34	0.12	70.4	24.8	95.2	64.7	30.5
WATER FLOOD								
KEG RIVER CCC	105.0	<0.03		2.8		2.8	2.8	
KEG RIVER DDD	308.0	0.25		77.0		77.0	70.7	6.3
KEG RIVER EEE	318.0	0.12		38.1		38.1	32.0	6.1
KEG RIVER FFF	169.0	0.25		42.3		42.3	23.3	19.0
KEG RIVER GGG	64.2	<0.19		12.1		12.1	12.1	
KEG RIVER HHH	325.0	0.20		65.0		65.0	41.0	24.0
KEG RIVER III	230.0	0.30		69.0		69.0	66.2	2.8
KEG RIVER JJJ	477.0	0.40		191.0		191.0	177.5	13.5
KEG RIVER KKK	397.0	0.20		79.4		79.4	70.9	8.5
KEG RIVER LLL	165.0	<0.10		15.7		15.7	15.7	
KEG RIVER MMM	500.0	0.30		150.0		150.0	138.2	11.8

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
17	47.46	0.070	0.12	0.80	71	834	79	14 869	-1 139.1	1 509.7	1967	92 12 - GPP
32	51.42	0.071	0.12	0.85	52	849	71	14 570	-1 112.7	1 493.1	1967	91 12 - GPP
17	32.92	0.085	0.24	0.88	35	870	71	14 408	-1 074.8	1 464.3	1967	75 06 - GPP
141	42.15	0.047	0.28	0.87	36	865	74	14 270	-1 065.1	1 458.0	1966	74 09 - GPP
22	28.22	0.050	0.25	0.83	59	865	75	14 548	-1 120.8	1 509.7	1967	68 05 - ABAND 89 03
7	91.20	0.100	0.10	0.83	66	865	72	14 040	-1 105.5	1 509.3	1967	93 12 - GPP
17	23.40	0.050	0.24	0.84	54	865	71	13 851	-1 031.8	1 421.9	1966	81 12 - GPP
20	34.01	0.050	0.20	0.86	46	865	72	13 884	-1 040.9	1 442.0	1967	83 12 - GPP
32	25.60	0.036	0.32	0.83	48	865	71	14 136	-1 063.4	1 486.8	1967	93 12 - GPP
18	52.56	0.058	0.20	0.82	64	865	71	13 995	-1 064.3	1 500.2	1966	86 12 - GPP
35	47.45	0.087	0.19	0.88	35	860	71	14 911	-1 102.8	1 497.8	1967	92 09 - GPP
5	109.56	0.074	0.17	0.85	54	855	68	14 679	-1 123.6	1 522.9	1967	75 12 - GPP
10	24.23	0.100	0.17	0.89	30	876	68	14 293	-1 070.0	1 449.6	1967	88 12 - GPP
17	90.09	0.079	0.16	0.86	42	860	69	14 984	-1 123.2	1 496.6	1967	91 12 - GPP
15	30.00	0.060	0.15	0.87	38	870	70	14 776	-1 080.2	1 464.6	1967	85 12 - GPP
25	58.18	0.074	0.18	0.81	65	834	77	15 128	-1 149.8	1 527.1	1967	70 06 - GPP
32	30.70	0.030	0.35	0.83	63	865	71	13 886	-1 047.4	1 440.0	1967	83 12 - ABAND 87 02
28	23.79	0.046	0.24	0.82	69	876	66	13 852	-1 040.9	1 434.1	1967	83 12 - ABAND 90 02
18	34.14	0.080	0.25	0.83	33	881	69	13 777	-1 040.3	1 433.2	1967	84 09 - GPP
12	36.27	0.081	0.12	0.84	62	865	61	13 963	-1 044.0	1 446.9	1967	92 11 - GPP
11	71.57	0.085	0.12	0.81	73	855	72	14 613	-1 110.0	1 512.4	1967	82 12 - GPP
7	55.27	0.070	0.18	0.86	43	870	68	14 083	-1 049.9	1 495.5	1967	89 07 - GPP
33	30.30	0.040	0.30	0.85	76	865	72	13 850	-1 041.7	1 552.8	1967	83 12 - GPP
13	92.88	0.087	0.12	0.86	45	860	76	14 970	-1 132.5	1 594.0	1967	82 12 - GPP
15	48.13	0.061	0.20	0.90	35	887	63	13 988	-1 062.6	1 419.5	1967	86 12 - ABAND 89 03
33	56.93	0.070	0.12	0.89	30	865	69	14 543	-1 073.0	1 460.9	1967	82 12 - GPP
28	86.48	0.071	0.11	0.83	58	839	78	15 262	-1 151.9	1 528.6	1967	77 10 - GPP
55	41.92	0.060	0.17	0.83	63	865	73	14 466	-1 080.2	1 485.6	1967	83 12 - GPP
21	42.43	0.030	0.30	0.83	60	860	71	13 860	-1 042.0	1 469.6	1967	86 12 - GPP
22	25.30	0.074	0.15	0.80	74	849	78	14 017	-1 060.2	1 561.0	1967	85 12 - GPP
15	29.30	0.042	0.30	0.85	35	865	71	13 924	-1 041.5	1 450.5	1967	85 07 - GPP
4	86.87	0.065	0.11	0.87	45	865	71	14 261	-1 099.4	1 538.3	1967	82 12 - GPP
10	20.46	0.100	0.08	0.92	26	881	64	14 139	-1 054.0	1 431.6	1967	91 07 - GPP
16	6.10	0.140	0.11	0.71	156	825	81	15 001	-1 142.8	1 522.9	1967	85 12 - GPP
20	37.40	0.120	0.08	0.77	88	829	76	15 221	-1 166.9	1 551.1	1967	82 12 - GPP
16	46.33	0.043	0.25	0.62	215	829	76	15 223	-1 167.0	1 555.1	1967	85 08 - GPP
15	94.29	0.074	0.10	0.81	72	829	80	15 614	-1 179.6	1 566.3	1967	70 06 - GPP
13	51.79	0.073	0.11	0.80	72	829	78	14 916	-1 138.5	1 536.3	1967	75 12 - GPP
16	31.39	0.063	0.15	0.83	64	865	71	13 603	-1 050.0	1 451.5	1967	83 12 - GPP
5	102.40	0.080	0.11	0.85	53	855	72	15 053	-1 130.8	1 528.6	1967	90 12 - GPP
23	43.30	0.055	0.14	0.85	49	865	73	13 879	-1 048.5	1 479.2	1967	87 08 - GPP
21	28.74	0.039	0.30	0.84	59	865	70	13 883	-1 042.1	1 598.1	1967	93 12 - GPP
26	92.67	0.075	0.10	0.83	58	855	77	15 023	-1 146.0	1 509.4	1967	91 12 - GPP
16	46.15	0.055	0.13	0.90	32	898	63	14 300	-1 071.6	1 443.5	1967	84 12 - GPP
13	67.30	0.071	0.11	0.84	71	860	71	14 884	-1 123.1	1 501.4	1967	82 12 - ABAND 88 06
7	63.63	0.060	0.15	0.81	71	844	71	14 718	-1 138.8	1 521.6	1967	92 09 - ABAND 90 08
24	20.95	0.110	0.12	0.49	331	811	77	15 464	-1 170.3	1 551.0	1967	92 10 - GPP
3	91.00	0.105	0.13	0.83	57	855	80	14 781	-1 113.8	1 565.8	1967	75 07 - GPP
16	17.37	0.065	0.28	0.81	65	860	76	14 330	-1 119.7	1 573.2	1967	70 09 - ABAND 70 08
9	58.83	0.076	0.15	0.90	33	881	67	14 252	-1 079.7	1 467.5	1967	92 12 - GPP
21	35.68	0.064	0.22	0.85	52	865	70	13 472	-1 035.9	1 443.7	1967	75 12 - GPP
6	47.64	0.085	0.20	0.87	35	865	71	13 744	-1 050.2	1 454.7	1967	83 12 - GPP
3	82.20	0.045	0.35	0.89	45	860	83	14 425	-1 093.0	1 524.6	1967	69 01 - GPP
10	37.80	0.115	0.10	0.83	59	860	72	13 640	-1 029.7	1 464.3	1967	93 07 - GPP
10	43.20	0.080	0.25	0.89	38	881	64	14 097	-1 065.6	1 427.7	1967	88 12 - GPP
21	46.09	0.070	0.20	0.88	30	865	72	14 639	-1 083.6	1 451.5	1967	91 12 - GPP
7	95.90	0.080	0.11	0.83	45	855	78	14 765	-1 119.7	1 557.1	1967	85 12 - GPP
17	36.27	0.046	0.30	0.83	62	865	69	13 289	-1 043.5	1 471.4	1967	91 10 - ABAND 90 10
12	86.52	0.070	0.20	0.86	47	865	69	13 772	-956.4	1 330.0	1967	89 12 - GPP

TABLE 2-6

FIELD POOL	1 INITIAL VOLUME IN PLACE 10 ³ m ³	3 RECOVERY		5 INITIAL ESTABLISHED RESERVES			7 CUMULATIVE PRODUCTION 10 ³ m ³	8 REMAINING ESTABLISHED RESERVES 10 ³ m ³
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
ZAMA 117-04W6 (CONTINUED)								
KEG RIVER NNN	588.0	0.25		147.0		147.0	146.7	0.3
KEG RIVER 000	533.0	<0.09		45.7		45.7	45.7	
KEG RIVER PPP	213.0	0.25		53.2		53.2	38.5	14.7
KEG RIVER 000	397.0	0.15		59.6		59.6	42.3	17.3
KEG RIVER RRR	636.0	0.22		140.0		140.0	126.4	13.6
KEG RIVER SSS	79.5	<0.22		17.3		17.3	17.3	
KEG RIVER TTT	127.0	0.35	0.12	44.5	15.3	59.8	48.3	11.5
WATER FLOOD								
KEG RIVER VVV	443.0	0.15		66.4		66.4	47.3	19.1
KEG RIVER WWW	393.0	0.10		39.3		39.3	27.0	12.3
KEG RIVER XXX	477.0	<0.08		34.8		34.8	34.8	
KEG RIVER YYY	449.0	0.35		157.0		157.0	113.7	43.3
KEG RIVER ZZZ	238.0	<0.13		29.2		29.2	29.2	
KEG RIVER A2A	423.0	0.40		169.0		169.0	128.1	40.9
KEG RIVER B2B	795.0	0.28		223.0		223.0	215.2	7.8
KEG RIVER C2C	169.0	<0.21		34.1		34.1	34.1	
KEG RIVER E2E	313.0	0.20		62.6		62.6	61.4	1.2
KEG RIVER F2F	304.0	<0.08		21.4		21.4	21.4	
KEG RIVER G2G	963.0	0.15		144.0		144.0	126.3	17.7
KEG RIVER H2H	314.0	<0.04		10.3		10.3	10.3	
KEG RIVER I2I	195.0	<0.24		46.1		46.1	46.1	
KEG RIVER J2J	286.0	0.30		85.8		85.8	75.0	10.8
KEG RIVER K2K	120.0	<0.06		6.5		6.5	6.5	
KEG RIVER L2L	143.0	<0.10		13.7		13.7	13.7	
KEG RIVER M2M	354.0	0.28		99.1		99.1	98.9	0.2
KEG RIVER N2N	461.0	0.32		148.0		148.0	135.3	12.7
KEG RIVER O2O	604.0	0.30		181.0		181.0	142.2	38.8
KEG RIVER P2P	350.0	0.30		105.0		105.0	91.0	14.0
KEG RIVER Q2Q	356.0	<0.12		42.7		42.7	42.7	
KEG RIVER R2R	255.0	0.12		30.6		30.6	17.9	12.7
KEG RIVER S2S	350.0	0.26		91.0		91.0	87.6	3.4
KEG RIVER T2T	91.9	0.25		23.0		23.0	18.5	4.5
KEG RIVER U2U	429.0	0.20		85.8		85.8	80.6	5.2
KEG RIVER V2V	313.0	0.20		62.6		62.6	14.3	48.3
KEG RIVER W2W	165.0	0.25		41.3		41.3	30.8	10.5
KEG RIVER X2X TOTAL	751.0			184.0	126.0	310.0	282.7	27.3
PRIMARY AREA	204.0	0.17		35.7		35.7		
WATER FLOOD AREA	547.0	0.27	0.23	148.0	126.0	274.0		
KEG RIVER Y2Y	79.5	<0.02		1.0		1.0	1.0	
KEG RIVER Z2Z	477.0	0.20		95.4		95.4	83.4	12.0
KEG RIVER A3A	320.0	<0.12		37.8		37.8	37.8	
KEG RIVER B3B	251.0	<0.06		14.3		14.3	14.3	
KEG RIVER C3C	111.0	<0.23		25.3		25.3	25.3	
KEG RIVER D3D	257.0	0.30		77.2		77.2	68.4	8.8
KEG RIVER F3F	420.0	0.12		50.4		50.4	44.0	6.4
KEG RIVER G3G	106.0	0.15		15.9		15.9	12.1	3.8
KEG RIVER H3H	218.0	0.20		43.6		43.6	40.8	2.8
KEG RIVER I3I TOTAL	636.0			110.0	35.1	145.0	134.8	10.2
PRIMARY AREA	134.0	0.07		9.4		9.4		
WATER FLOOD AREA	502.0	0.20	0.07	101.0	35.1	136.0		
KEG RIVER J3J	222.0	0.15		33.3		33.3	27.8	5.5
KEG RIVER K3K	207.0	0.20	0.10	41.3	20.7	62.0	60.8	1.2
WATER FLOOD								
KEG RIVER L3L	159.0	0.20	0.15	31.8	23.9	55.7	50.7	5.0
WATER FLOOD								
KEG RIVER M3M	318.0	<0.04		10.4		10.4	10.4	
KEG RIVER N3N	302.0	0.35		106.0		106.0	78.1	27.9
KEG RIVER O3O	242.0	<0.06		13.9		13.9	13.9	
KEG RIVER P3P	472.0	<0.17		78.3		78.3	78.3	
KEG RIVER Q3Q	271.0	0.20		54.2		54.2	32.9	21.3
KEG RIVER R3R	395.0	0.40		158.0		158.0	128.0	30.0
KEG RIVER S3S	222.0	0.35		77.7		77.7	71.3	6.4
KEG RIVER T3T	242.0	0.10		24.2		24.2	22.6	1.6
KEG RIVER U3U	20.5	<0.26		5.3		5.3	5.3	
KEG RIVER W3W	524.0	0.26	0.09	136.0	47.2	183.0	162.5	20.5
WATER FLOOD								
KEG RIVER X3X	253.0	<0.02		3.9		3.9	3.9	
KEG RIVER Y3Y	236.0	<0.06		12.2		12.2	12.2	
KEG RIVER Z3Z	477.0	0.31		148.0		148.0	143.7	4.3
KEG RIVER A4A	49.9	<0.01		0.4		0.4	0.4	
KEG RIVER B4B	65.4	<0.18		11.3		11.3	11.3	

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
17	69.67	0.073	0.15	0.80	72	844	80	15 780	-1 136.6	1 532.2	1967	92 09 - GPP
19	50.35	0.074	0.19	0.93	28	881	67	14 039	-1 066.0	1 453.7	1967	82 12 - ABAND 88 06
19	42.15	0.040	0.20	0.83	60	860	71	13 363	-1 045.0	1 465.8	1967	70 02 - GPP
34	49.06	0.040	0.30	0.85	49	865	71	13 263	-1 042.0	1 466.4	1967	82 12 - GPP
20	71.08	0.077	0.17	0.70	145	829	73	15 293	-1 173.5	1 548.7	1967	88 12 - GPP
6	26.60	0.080	0.25	0.83	41	860	73	14 743	-1 124.7	1 547.2	1967	86 12 - GPP
4	50.70	0.080	0.10	0.87	43	865	73	14 376	-1 077.6	1 513.8	1967	69 01 - GPP
23	45.45	0.063	0.19	0.83	67	855	71	13 436	-1 039.5	1 469.3	1967	70 02 - GPP
17	37.73	0.080	0.15	0.90	34	887	63	13 985	-1 062.4	1 417.2	1968	89 12 - GPP
21	57.30	0.059	0.23	0.87	42	881	67	13 678	-1 050.8	1 460.5	1967	86 12 - GPP
20	42.03	0.074	0.16	0.86	43	876	71	13 540	-1 037.7	1 449.8	1967	92 12 - GPP
20	22.80	0.070	0.17	0.90	28	881	63	14 265	-1 073.3	1 426.9	1968	86 12 - ABAND 88 06
35	25.09	0.070	0.15	0.81	74	849	71	13 513	-1 021.0	1 462.1	1968	89 12 - GPP
17	53.90	0.120	0.15	0.85	56	855	68	14 731	-1 116.8	1 490.2	1968	90 12 - GPP
17	40.87	0.040	0.25	0.81	71	860	71	12 915	-1 036.3	1 474.6	1968	84 12 - GPP
16	30.80	0.085	0.17	0.90	32	904	63	13 778	-1 050.9	1 418.6	1967	91 07 - GPP
23	36.79	0.055	0.24	0.86	46	865	68	13 749	-1 045.9	1 443.4	1968	74 12 - GPP
28	57.42	0.085	0.13	0.81	71	844	76	14 275	-1 118.0	1 510.3	1968	92 11 - GPP
15	38.10	0.078	0.17	0.85	52	865	70	13 673	-1 047.0	1 448.1	1968	74 12 - GPP
18	27.10	0.065	0.20	0.77	95	825	80	14 785	-1 147.2	1 557.2	1968	70 02 - GPP
14	31.74	0.087	0.14	0.86	47	870	69	14 518	-1 127.8	1 497.5	1968	69 03 - GPP
16	19.57	0.054	0.20	0.89	37	892	61	13 742	-1 047.0	1 413.1	1968	73 02 - ABAND 90 04
16	38.10	0.040	0.30	0.83	66	865	68	12 743	-1 044.6	1 453.0	1968	78 10 - GPP
13	47.64	0.075	0.15	0.90	38	881	61	14 024	-1 076.2	1 436.8	1968	93 12 - GPP
12	56.57	0.094	0.15	0.85	59	860	68	14 410	-1 104.9	1 459.4	1968	90 12 - GPP
15	59.30	0.100	0.14	0.79	84	870	73	14 485	-1 095.3	1 515.2	1968	89 12 - GPP
11	45.79	0.094	0.16	0.88	38	865	69	14 093	-1 056.0	1 449.6	1968	71 07 - GPP
17	70.90	0.045	0.20	0.82	66	860	74	11 753	-1 048.4	1 492.8	1968	82 12 - GPP
17	29.59	0.080	0.12	0.72	115	825	66	14 992	-1 167.9	1 552.2	1968	90 12 - GPP
6	98.70	0.080	0.11	0.83	50	870	77	14 311	-1 114.1	1 522.5	1968	93 12 - GPP
7	22.34	0.075	0.11	0.88	35	867	67	13 370	-1 080.7	1 474.5	1968	83 12 - GPP
10	52.18	0.105	0.13	0.90	26	876	68	13 973	-1 064.0	1 451.5	1968	79 06 - GPP
45	20.70	0.050	0.21	0.85	55	865	71	13 242	-1 044.5	1 437.8	1968	93 04 - GPP
15	32.95	0.054	0.25	0.83	59	865	70	11 603	-1 042.4	1 463.3	1968	84 12 - GPP
50					78	844	76	12 688	-1 108.2	1 499.0	1968	93 12 - GPP
16	24.40	0.075	0.13	0.80								
34	30.82	0.075	0.13	0.80								
5	23.73	0.110	0.30	0.87	48	860	71	12 003	-1 101.3	1 521.9	1968	69 11 - GPP
17	30.23	0.120	0.15	0.91	26	887	64	13 589	-1 045.8	1 428.6	1968	83 12 - GPP
35	29.50	0.045	0.20	0.86	53	865	72	13 668	-1 037.2	1 454.2	1967	82 12 - GPP
17	36.27	0.060	0.20	0.85	52	865	70	12 398	-1 040.5	1 454.4	1968	74 12 - ABAND 79 01
8	25.27	0.078	0.20	0.88	35	887	71	14 303	-1 100.0	1 498.7	1968	83 12 - GPP
16	34.60	0.065	0.15	0.84	59	860	74	14 118	-1 097.7	1 459.2	1969	70 09 - GPP
15	28.83	0.120	0.10	0.90	39	898	61	13 031	-1 046.8	1 400.7	1969	87 12 - GPP
11	16.95	0.075	0.15	0.90	34	887	63	13 607	-1 053.8	1 406.5	1969	86 12 - GPP
5	91.74	0.070	0.21	0.86	46	865	71	15 090	-1 129.0	1 525.3	1969	90 12 - GPP
117					63	865	72	13 093	-1 042.1	1 433.2	1968	91 12 - GPP
64	22.47	0.017	0.34	0.83								
53	23.77	0.060	0.20	0.83								
8	31.49	0.122	0.13	0.83	63	860	71	13 763	-1 045.0	1 456.3	1967	83 12 - GPP
8	44.30	0.079	0.12	0.84	61	865	71	13 793	-1 045.0	1 454.5	1967	75 08 - GPP
12	36.99	0.052	0.18	0.84	55	865	71	13 423	-1 045.0	1 442.9	1967	86 12 - GPP
19	24.29	0.090	0.12	0.87	35	865	71	13 550	-1 037.7	1 435.8	1968	70 01 - ABAND 90 10
10	58.30	0.071	0.11	0.82	62	865	69	13 553	-1 141.0	1 501.7	1969	92 04 - GPP
9	55.41	0.079	0.25	0.82	71	855	68	13 506	-1 113.5	1 476.8	1968	77 04 - GPP
10	80.13	0.092	0.18	0.78	78	855	72	14 702	-1 123.5	1 581.3	1968	88 12 - ABAND 90 02
16	42.98	0.065	0.27	0.83	57	870	71	12 434	-1 043.9	1 434.7	1969	92 11 - GPP
17	40.20	0.080	0.15	0.85	56	860	67	13 921	-1 093.8	1 451.3	1969	90 12 - GPP
11	23.81	0.112	0.12	0.86	52	887	77	13 735	-1 076.1	1 480.3	1969	83 12 - GPP
14	65.53	0.045	0.23	0.76	94	834	73	14 998	-1 139.4	1 533.8	1969	92 09 - GPP
1	35.90	0.079	0.16	0.86	46	860	71	9 453	-1 132.6	1 500.2	1969	73 02 - GPP
7	75.87	0.139	0.09	0.78	85	855	69	13 467	-1 106.4	1 517.6	1969	82 12 - GPP
6	65.84	0.092	0.17	0.84	60	854	71	15 099	-1 155.5	1 524.0	1969	86 12 - GPP
12	50.17	0.055	0.20	0.89	30	881	70	12 435	-971.5	1 343.4	1969	74 12 - ABAND 81 09
15	57.23	0.086	0.15	0.76	94	829	79	15 181	-1 165.4	1 534.5	1969	93 12 - GPP
11	9.69	0.068	0.15	0.81	60	855	71	13 195	-1 153.0	1 639.5	1969	70 10 - GPP
5	26.97	0.077	0.25	0.84	58	855	77	15 279	-1 169.9	1 639.6	1969	78 07 - ABAND 85 07

TABLE 2-6

FIELD POOL	1	3		5			6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL			
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	
ZAMA 117-04W6 (CONTINUED)									
KEG RIVER C4C	329.0	<0.13		41.0		41.0	41.0		
KEG RIVER D4D	136.0	<0.12		15.0		15.0	15.0		
KEG RIVER E4E	415.0	0.12		49.8		49.8	42.7	7.1	
KEG RIVER F4F	79.5	0.21		16.7		16.7	16.7		
KEG RIVER G4G	370.0	0.15		55.5		55.5	34.8	20.7	
KEG RIVER H4H	381.0	0.15		57.2		57.2	49.9	7.3	
KEG RIVER I4I	222.0	0.20		44.4		44.4	42.4	2.0	
KEG RIVER J4J	397.0	0.05		19.9		19.9	11.9	8.0	
KEG RIVER K4K	159.0	0.20		31.8		31.8	29.3	2.5	
KEG RIVER L4L TOTAL	2 000.0			700.0	86.3	786.0	358.3	427.7	
PRIMARY AREA	275.0	0.35		96.3		96.3			
WATER FLOOD AREA	1 725.0	0.35	0.05	604.0	86.3	690.0			
KEG RIVER N4N	191.0	0.20		38.2		38.2	31.6	6.6	
KEG RIVER O4O	143.0	0.14		20.0		20.0	18.3	1.7	
KEG RIVER P4P	159.0	0.35		55.6		55.6	50.3	5.3	
KEG RIVER Q4Q	143.0	0.20		28.6		28.6	21.5	7.1	
KEG RIVER R4R	267.0	0.07		18.7		18.7	18.7		
KEG RIVER S4S	270.0	<0.09		23.4		23.4	21.6	1.8	
KEG RIVER T4T	318.0	0.40		127.0		127.0	104.8	22.2	
KEG RIVER U4U	320.0	0.27	0.03	86.4	9.6	96.0	89.6	6.4	
WATER FLOOD									
KEG RIVER V4V	95.3	<0.12		10.7		10.7	10.7		
KEG RIVER W4W	95.3	0.30		28.6		28.6	23.7	4.9	
KEG RIVER X4X	424.0	0.15		63.6		63.6	41.3	22.3	
KEG RIVER Y4Y	26.8	0.30		8.0		8.0	7.1	0.9	
KEG RIVER Z4Z	236.0	<0.09		20.3		20.3	20.3		
KEG RIVER A5A	874.0	0.20		175.0		175.0	139.9	35.1	
KEG RIVER B5B	165.0	<0.13		20.1		20.1	20.1		
KEG RIVER C5C	259.0	0.25		64.8		64.8	61.6	3.2	
KEG RIVER D5D	300.0	<0.15		44.4		44.4	44.4		
KEG RIVER E5E	106.0	<0.01		0.1		0.1	0.1		
KEG RIVER F5F	181.0	0.20		36.2		36.2	12.2	24.0	
KEG RIVER G5G	350.0	0.10		35.0		35.0	22.8	12.2	
KEG RIVER H5H	267.0	0.03		8.0		8.0	3.5	4.5	
KEG RIVER I5I	322.0	0.20		64.4		64.4	54.5	9.9	
KEG RIVER J5J	340.0	0.10		34.0		34.0	12.8	21.2	
KEG RIVER K5K	153.0	<0.03		4.2		4.2	4.2		
KEG RIVER L5L	285.0	0.10		28.5		28.5	27.0	1.5	
KEG RIVER M5M	223.0	<0.04		8.6		8.6	8.6		
KEG RIVER N5N	233.0	0.25		58.3		58.3	30.2	28.1	
KEG RIVER O5O	206.0	0.15		30.9		30.9	4.1	26.8	
KEG RIVER P5P	466.0	0.12		55.9		55.9	40.3	15.6	
KEG RIVER Q5Q	205.0	0.06		12.3		12.3	9.5	2.8	
KEG RIVER R5R	121.0	<0.04		4.4		4.4	4.4		
KEG RIVER S5S	317.0	0.06		19.0		19.0	12.1	6.9	
KEG RIVER T5T	173.0	<0.01		1.5		1.5	1.5		
KEG RIVER V5V	395.0	<0.02		6.9		6.9	6.9		
KEG RIVER X5X	150.0	0.25		37.5		37.5	20.5	17.0	
KEG RIVER Y5Y	238.0	0.45		107.0		107.0	52.9	54.1	
KEG RIVER Z5Z	283.0	0.15		42.5		42.5	28.7	13.8	
KEG RIVER A6A	205.0	0.35		71.8		71.8	33.9	37.9	
KEG RIVER B6B	85.1	<0.04		3.1		3.1	3.1		
KEG RIVER C6C	186.0	<0.02		3.1		3.1	3.1		
KEG RIVER D6D	236.0	<0.01		1.9		1.9	1.9		
KEG RIVER E6E	350.0	0.07		24.5		24.5	18.6	5.9	
KEG RIVER F6F	271.0	0.25		67.8		67.8	29.8	38.0	
KEG RIVER G6G	190.0	0.10		19.0		19.0	10.0	9.0	
KEG RIVER H6H	75.4	<0.03		2.1		2.1	2.1		
KEG RIVER I6I	730.0	0.05		36.5		36.5	20.6	15.9	
KEG RIVER J6J	150.0	<0.03		3.2		3.2	3.2		
KEG RIVER K6K	140.0	<0.03		4.1		4.1	4.1		
KEG RIVER L6L	117.0	0.15		17.6		17.6	1.2	16.4	
KEG RIVER N6N	500.0	0.05		25.0		25.0	16.3	8.7	
KEG RIVER O6O	250.0	0.05		12.5		12.5	8.3	4.2	
KEG RIVER P6P	455.0	0.05		22.8		22.8	16.5	6.3	
KEG RIVER Q6Q	251.0	0.25	0.10	62.8	25.1	87.9	84.3	3.6	
WATER FLOOD									
KEG RIVER R6R	130.0	0.35		45.5		45.5	33.5	12.0	
KEG RIVER S6S	400.0	0.20		80.0		80.0	32.6	47.4	
KEG RIVER T6T	300.0	0.08		24.0		24.0	16.5	7.5	
KEG RIVER U6U	210.0	0.08		16.8		16.8	15.7	1.1	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
14	44.84	0.080	0.17	0.79	89	860	71	13 543	-1 087.0	1 510.7	1969	82 12 - GPP
13	32.34	0.050	0.20	0.81	69	860	69	12 913	-1 035.0	1 477.4	1968	70 02 - ABAND 72 05
20	30.82	0.090	0.15	0.88	35	870	69	11 522	-1 060.3	1 449.5	1969	86 06 - GPP
19	23.16	0.030	0.30	0.86	46	865	72	13 812	-1 040.6	1 444.1	1967	89 12
7	66.73	0.100	0.10	0.88	35	860	67	12 562	-1 084.0	1 469.6	1970	81 12 - GPP
14	43.89	0.084	0.18	0.90	29	898	59	12 932	-1 040.4	1 420.5	1971	86 12 - GPP
12	40.54	0.065	0.22	0.90	38	887	62	13 466	-1 049.4	1 414.9	1971	88 12 - GPP
10	44.50	0.110	0.09	0.89	41	898	62	12 499	-1 052.6	1 424.5	1971	76 06 - GPP
12	30.25	0.060	0.18	0.89	41	898	62	12 346	-1 043.7	1 420.4	1971	82 12 - GPP
260					61	855	70	13 639	-1 099.2	1 533.9	1971	93 05
32	24.00	0.056	0.18	0.78								- GPP
228	21.12	0.056	0.18	0.78								- GPP
7	41.47	0.086	0.15	0.90	35	881	61	9 503	-1 059.0	1 423.4	1971	82 12 - GPP
9	26.67	0.075	0.12	0.90	35	898	61	13 626	-1 046.1	1 416.4	1971	83 12 - GPP
6	39.82	0.085	0.13	0.90	35	892	61	13 913	-1 056.0	1 414.6	1971	72 09
10	22.82	0.080	0.12	0.89	36	887	63	13 603	-1 044.0	1 420.7	1971	89 12 - GPP
9	36.60	0.100	0.10	0.90	35	904	61	13 544	-1 050.2	1 419.0	1971	82 12
10	30.12	0.120	0.17	0.90	36	887	62	13 532	-1 046.9	1 418.5	1972	93 12 - GPP
7	87.25	0.075	0.11	0.78	83	829	77	15 840	-1 154.6	1 547.5	1971	75 05 - GPP
13	55.50	0.060	0.12	0.84	59	855	69	12 553	-1 128.1	1 486.2	1972	91 07 - GPP
4	73.75	0.047	0.21	0.87	47	849	72	14 303	-1 143.0	1 510.9	1968	81 08 - GPP
3	42.95	0.100	0.15	0.87	47	876	71	14 736	-1 122.2	1 481.3	1972	75 04 - GPP
12	51.31	0.090	0.10	0.85	60	865	45	14 329	-1 147.1	1 518.0	1972	82 12 - GPP
2	39.32	0.050	0.18	0.83	58	829	74	15 155	-1 195.4	1 561.2	1972	93 12 - GPP
25	24.99	0.055	0.12	0.78	89	834	72	13 700	-1 124.7	1 550.5	1971	73 11
15	75.26	0.099	0.08	0.85	53	876	69	12 366	-1 065.5	1 454.4	1973	86 12 - GPP
7	55.47	0.065	0.16	0.78	89	811	82	14 801	-1 169.9	1 553.0	1973	86 12 - GPP
7	44.00	0.105	0.09	0.88	27	876	69	12 912	-1 055.0	1 444.6	1974	75 04 - GPP
11	52.80	0.075	0.14	0.80	71	825	88	14 984	-1 198.2	1 581.3	1974	92 09 - ABAND 91 08
16	17.32	0.060	0.23	0.83	69	860	56	13 637	-1 030.6	1 467.1	1978	82 12
64	9.00	0.050	0.25	0.84	50	861	60	13 639	-1 016.6	1 608.5	1978	79 08 - GPP
40	20.50	0.060	0.20	0.89	52	879	80	13 534	-1 063.6	1 451.3	1981	86 12 - GPP
8	75.50	0.070	0.20	0.79	76	855	66	13 600	-1 104.8	1 487.1	1981	88 12 - GPP
8	67.55	0.100	0.15	0.70	120	842	81	11 853	-1 179.0	1 553.1	1981	83 12 - GPP
19	51.30	0.050	0.16	0.83	62	860	51	12 979	-1 095.3	1 508.8	1982	86 12 - GPP
16	28.50	0.050	0.14	0.78	83	831	78	15 086	-1 214.4	1 586.8	1982	92 11 - GPP
13	26.00	0.120	0.21	0.89	36	894	61	14 001	-1 053.4	1 425.5	1982	92 09 - GPP
16	23.00	0.080	0.15	0.89	36	911	61	12 908	-1 054.6	1 406.5	1983	89 12
40	15.26	0.050	0.08	0.83	60	853	73	13 775	-1 091.0	1 526.9	1983	86 06 - GPP
25	17.60	0.060	0.12	0.89	31	906	66	13 745	-1 063.3	1 412.4	1983	85 07 - GPP
8	55.00	0.140	0.10	0.84	55	865	71	14 060	-1 062.4	1 456.6	1983	92 09 - GPP
8	68.70	0.060	0.25	0.83	60	830	71	13 655	-1 112.3	1 500.0	1984	92 09 - GPP
16	21.00	0.050	0.18	0.88	42	854	69	15 984	-1 190.1	1 567.5	1984	84 08 - ABAND 86 09
8	56.16	0.100	0.15	0.83	58	858	74	14 495	-1 137.3	1 629.7	1983	86 03 - GPP
16	17.50	0.080	0.10	0.86	43	881	66	13 592	-1 109.5	1 512.1	1983	86 12 - ABAND 92 09
16	37.75	0.080	0.12	0.93	51	874	77	14 410	-1 072.2	1 470.8	1983	92 11 - GPP
14	38.40	0.050	0.32	0.82	39	864	71	10 529	-1 046.9	1 590.4	1984	86 01 - GPP
50	13.20	0.050	0.18	0.88	42	858	69	10 685	-1 095.2	1 453.7	1984	93 08 - GPP
19	32.10	0.065	0.14	0.83	74	865	70	13 769	-1 034.1	1 458.4	1984	90 12 - GPP
32	27.40	0.040	0.25	0.78	89	855	71	13 789	-1 097.7	1 528.7	1984	92 04 - GPP
38	16.05	0.023	0.26	0.82	64	863	71	13 365	-1 031.6	1 442.0	1984	86 06 - ABAND 86 03
21	28.99	0.046	0.18	0.81	73	856	69	15 171	-1 164.3	1 571.9	1984	86 06
36	16.91	0.055	0.13	0.81	73	846	69	13 225	-1 090.0	1 547.2	1984	88 12 - ABAND 92 09
6	51.90	0.150	0.12	0.85	49	865	65	13 586	-1 055.8	1 473.8	1985	86 04 - GPP
22	27.76	0.060	0.15	0.87	38	882	73	10 590	-1 042.0	1 621.5	1985	86 06 - GPP
17	35.87	0.047	0.22	0.85	49	878	73	13 213	-1 051.1	1 555.0	1985	91 12 - GPP
16	16.50	0.046	0.27	0.85	51	885	66	12 479	-1 074.7	1 424.3	1972	88 12
17	75.11	0.083	0.18	0.84	55	865	71	12 633	-1 084.6	1 479.8	1985	89 12 - GPP
22	27.65	0.046	0.33	0.80	84	869	73	15 514	-1 176.6	1 602.4	1985	89 12 - ABAND 91 10
8	31.57	0.070	0.10	0.88	33	878	69	13 164	-1 037.0	1 428.6	1985	89 12
64	8.50	0.040	0.35	0.83	55	823	62	13 354	-1 117.6	1 470.8	1985	86 06 - GPP
28	30.60	0.080	0.15	0.86	41	855	70	14 203	-1 184.4	1 561.8	1986	89 12
26	23.46	0.064	0.18	0.78	79	834	79	13 569	-1 214.1	1 579.8	1986	89 12 - GPP
28	35.42	0.062	0.16	0.88	34	850	72	14 427	-1 180.1	1 550.0	1986	86 10 - GPP
11	59.00	0.059	0.20	0.82	64	865	71	13 233	-1 061.4	1 485.7	1967	86 12 - GPP
16	23.00	0.050	0.14	0.82	64	865	71	14 817	-1 061.5	1 495.5	1985	91 12 - GPP
17	37.01	0.086	0.16	0.88	33	881	69	14 853	-1 102.6	1 491.3	1986	87 02 - GPP
19	32.63	0.072	0.20	0.84	54	868	71	14 032	-1 047.9	1 439.3	1986	91 12 - GPP
15	40.61	0.057	0.28	0.84	62	876	71	11 096	-1 039.5	1 430.8	1987	92 09 - GPP

LIGHT-MEDIUM CRUDE OIL POOLS

* FIELD HAS RESERVES BOOKED FOR LIGHT-MEDIUM AND HEAVY CRUDE CATEGORIES

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
ALDERSON 015-11W4								
UPPER MANNVILLE A	107.0	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE B	154.0	0.10		15.4		15.4	13.1	2.3
UPPER MANNVILLE C	455.0	0.15		68.3		68.3	36.2	32.1
UPPER MANNVILLE D	1 100.0	0.12	0.08	132.0	88.0	220.0	163.9	56.1
WATER FLOOD								
UPPER MANNVILLE F	101.0	<0.01		0.4		0.4	0.4	
UPPER MANNVILLE G	115.0	<0.02		1.7		1.7	1.7	
UPPER MANNVILLE I	376.0	0.04		15.0		15.0	11.8	3.2
UPPER MANNVILLE J	289.0	0.05		14.5		14.5	10.9	3.6
UPPER MANNVILLE L	180.0	<0.08		14.2		14.2	14.2	
UPPER MANNVILLE R	873.0			131.0	86.1	217.0	141.5	75.5
TOTAL								
PRIMARY AREA	299.0	0.15		44.9		44.9		
WATER FLOOD AREA	574.0	0.15	0.15	86.1	86.1	172.0		
UPPER MANNVILLE S	500.0	0.15	0.20	75.0	100.0	175.0	118.0	57.0
WATER FLOOD								
UPPER MANNVILLE T	186.0	0.12		22.3		22.3	18.8	3.5
UPPER MANNVILLE U	85.9	0.16		13.7		13.7	13.3	0.4
UPPER MANNVILLE Y	572.0			85.8	24.0	110.0	69.0	41.0
TOTAL								
PRIMARY AREA	92.0	0.15		13.8		13.8		
WATER FLOOD AREA	480.0	0.15	0.05	72.0	24.0	96.0		
UPPER MANNVILLE Z	1 858.0	0.10	0.30	186.0	557.0	743.0	527.4	215.6
WATER FLOOD								
UPPER MANNVILLE AA	175.0	0.10	0.20	17.5	35.0	52.5	23.3	29.2
WATER FLOOD								
UPPER MANNVILLE BB	146.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE EE	127.4	0.15		19.1		19.1	14.1	5.0
UPPER MANNVILLE GG	105.0	<0.02		1.7		1.7	1.7	
UPPER MANNVILLE HH	124.0	0.05		6.2		6.2	4.0	2.2
UPPER MANNVILLE KK	276.0	0.10		27.6		27.6	11.8	15.8
UPPER MANNVILLE LL	86.7	<0.08		6.4		6.4	6.4	
UPPER MANNVILLE MM	119.0	<0.01		0.4		0.4	0.4	
UPPER MANNVILLE RR	131.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE UU	113.0	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE WW	194.0	0.10		19.4		19.4	7.6	11.8
UPPER MANNVILLE XX	180.0	0.18		32.4		32.4	23.6	8.8
UPPER MANNVILLE YY	540.0	0.20	0.10	108.0	54.0	162.0	86.6	75.4
WATER FLOOD								
UPPER MANNVILLE H & ZZ	127.0	<0.01		1.1		1.1	1.1	
UPPER MANNVILLE AAA	65.4	0.10		6.5		6.5	1.7	4.8
UPPER MANNVILLE BBB	20.0	0.25		5.0		5.0	3.9	1.1
UPPER MANNVILLE FFF	179.0	0.10		17.9		17.9	14.5	3.4
UPPER MANNVILLE HHH	76.6	0.10		7.7		7.7	2.2	5.5
UPPER MANNVILLE III	26.1	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE JJJ	24.2	0.10		2.4		2.4	1.5	0.9
UPPER MANNVILLE KKK	70.0	0.10		7.0		7.0	1.8	5.2
UPPER MANNVILLE PPP	14.6	0.10		1.5		1.5	0.6	0.9
UPPER MANNVILLE RRR	69.7	0.10		7.0		7.0	1.8	5.2
UPPER MANNVILLE TTT	449.0	0.10	0.20	44.9	89.8	135.0	34.2	100.8
WATER FLOOD								
UPPER MANNVILLE VVV	840.0	0.20	0.10	168.0	84.0	252.0	33.3	218.7
WATER FLOOD								
UPPER MANNVILLE XXX	160.0	0.10	0.10	16.0	16.0	32.0	6.1	25.9
WATER FLOOD								
UPPER MANNVILLE ZZZ	55.2	0.05		2.8		2.8	1.7	1.1
LOWER MANNVILLE A	719.0	0.20		144.0		144.0	134.5	9.5
LOWER MANNVILLE B	3 029.0			364.0	174.0	538.0	362.2	175.8
TOTAL								
PRIMARY AREA	848.0	0.12		102.0		102.0		
WATER FLOOD AREA	2 181.0	0.12	0.08	262.0	174.0	436.0		
LOWER MANNVILLE E	173.0	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE F	1 501.0	0.07		105.0		105.0	89.8	15.2
LOWER MANNVILLE H	677.0	0.08		54.2		54.2	46.4	7.8
LOWER MANNVILLE J	817.0	0.05		40.9		40.9	33.4	7.5
LOWER MANNVILLE K	540.0	0.15		81.0		81.0	75.6	5.4
LOWER MANNVILLE M	49.5	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE N	84.4	0.18		15.2		15.2	12.1	3.1
LOWER MANNVILLE O	411.0	0.10		41.1		41.1	19.3	21.8
LOWER MANNVILLE P	82.0	0.10		8.2		8.2	0.4	7.8
LOWER MANNVILLE Q	455.0	0.05		22.8		22.8	13.2	9.6

HEAVY CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
65	1.22	0.220	0.30	0.88	41	910	32	11 588	-226.4	991.8	1970	70 01
65	1.52	0.240	0.26	0.88	41	946	32	10 996	-224.4	990.1	1969	87 12 - GPP
253	1.14	0.230	0.22	0.88	50	928	30	11 216	-236.0	1 013.1	1970	85 12 - GPP
316	3.00	0.220	0.42	0.91	54	898	33	10 663	-198.3	955.5	1970	93 09 - GPP
32	2.44	0.230	0.36	0.88	43	965	32	10 974	-199.5	987.1	1972	93 12 - ABAND 93 09
8	11.58	0.210	0.33	0.88	53	898	32	11 435	-253.3	1 021.1	1973	92 11 - GPP
170	1.81	0.190	0.27	0.88	50	876	31	10 956	-216.1	980.1	1973	85 12 - GPP
64	4.31	0.170	0.30	0.88	57	921	31	11 365	-250.2	1 050.3	1976	85 12 - GPP
64	2.00	0.200	0.20	0.88	53	865	34	11 014	-226.8	987.9	1972	83 06 - ABAND 91 08
80					72	890	31	11 092	-246.3	1 024.4	1978	92 04
16	11.26	0.230	0.19	0.89								
64	5.48	0.230	0.20	0.89								- GPP
60	4.32	0.270	0.17	0.86	99	887	31	11 170	-249.9	1 028.2	1979	93 03 - GPP
83	1.60	0.210	0.23	0.87	54	887	28	10 048	-235.2	1 014.2	1979	93 12 - GPP
32	2.76	0.170	0.35	0.88	58	900	30	10 467	-231.0	995.1	1980	93 12 - GPP
83					69	882	28	11 404	-246.6	1 029.4	1980	92 08
16	5.70	0.190	0.39	0.87								- GPP
67	4.28	0.250	0.23	0.87								- GPP
184	6.69	0.230	0.19	0.81	39	891	33	11 472	-246.5	1 025.7	1980	92 05 - GPP
32	3.40	0.220	0.15	0.86	68	887	34	11 156	-248.4	1 026.7	1978	93 03 - GPP
32	3.00	0.220	0.23	0.90	48	925	31	9 787	-238.6	1 018.0	1980	86 12
32	2.00	0.260	0.13	0.88	48	856	32	10 601	-234.3	1 014.0	1980	88 12 - GPP
32	3.60	0.160	0.35	0.88	68	888	31	11 605	-247.6	1 032.7	1980	83 12 - ABAND 86 01
64	1.80	0.170	0.28	0.88	41	904	35	10 927	-233.2	1 012.9	1974	82 02 - GPP
96	2.30	0.200	0.29	0.88	49	868	31	11 413	-232.0	994.8	1981	83 06 - GPP
16	4.00	0.220	0.30	0.88	50	930	32	10 189	-204.1	995.0	1982	85 12 - ABAND 90 05
16	6.50	0.200	0.35	0.88	51	934	32	10 421	-211.6	966.4	1982	83 06 - ABAND 90 05
32	4.30	0.180	0.40	0.88	50	888	31	8 283	-228.0	990.2	1980	89 12 - ABAND 91 07
32	2.00	0.250	0.20	0.88	50	892	29	9 922	-240.6	1 017.8	1983	86 12 - ABAND 89 07
64	2.57	0.220	0.39	0.88	50	895	28	9 435	-209.4	961.0	1984	86 04 - GPP
54	3.50	0.180	0.40	0.88	50	871	30	11 023	-214.1	970.5	1984	91 12
88	3.30	0.270	0.20	0.86	57	898	32	11 268	-241.6	1 009.9	1971	93 10 - GPP
64	1.82	0.202	0.40	0.90	27	946	32	11 972	-211.8	958.0	1973	85 06 - ABAND 85 09
16	3.30	0.210	0.33	0.88	51	921	30	10 603	-208.0	959.0	1985	85 12 - GPP
16	1.30	0.170	0.37	0.90	39	888	30	11 068	-237.1	1 002.4	1985	92 12 - GPP
32	3.65	0.260	0.33	0.88	35	966	30	10 843	-155.2	921.1	1986	89 08 - GPP
16	2.50	0.259	0.16	0.88	42	910	33	9 602	-248.4	1 026.3	1987	88 06 - GPP
16	1.00	0.235	0.27	0.95	35	964	29	9 511	-153.5	921.2	1987	92 12 - ABAND 92 09
16	2.00	0.140	0.40	0.90	42	910	33	11 648	-213.2	967.0	1987	88 07
16	2.80	0.240	0.26	0.88	71	910	32	9 431	-245.0	1 022.1	1988	88 10
16	1.20	0.170	0.51	0.91	38	932	33	9 856	-239.8	1 024.6	1989	90 07 - GPP
16	5.00	0.180	0.45	0.88	60	868	31	11 173	-239.2	1 019.5	1978	91 08 - GPP
58	4.07	0.270	0.18	0.86	42	910	33	11 109	-255.8	1 032.4	1991	93 03 - GPP
134	3.80	0.240	0.20	0.86	71	911	32	10 652	-238.7	1 007.2	1991	93 10 - GPP
16	6.04	0.250	0.23	0.86	60	868	31	10 623	-259.7	1 036.5	1992	93 03 - GPP
8	6.60	0.220	0.50	0.95	20	930	30		-207.2	966.8	1992	93 07 - GPP
228	2.56	0.200	0.30	0.88	41	904	32	10 293	-180.1	925.2	1962	88 12 - GPP
756					41	904	31	10 521	-193.5	948.0	1964	93 06
241	2.81	0.240	0.42	0.90								- GPP
515	3.38	0.240	0.42	0.90								- GPP
65	2.74	0.170	0.35	0.88	41	881	32	11 125	-235.3	1 008.6	1970	71 03 - ABAND 71 10
329	3.05	0.250	0.32	0.88	53	876	30	10 573	-214.8	975.7	1971	87 12 - GPP
65	6.07	0.300	0.35	0.88	54	904	32	10 597	-210.0	966.4	1969	93 12 - GPP
128	4.63	0.224	0.30	0.88	53	855	36	11 375	-239.3	1 027.0	1972	82 12 - GPP
150	2.49	0.250	0.32	0.85	59	898	29	10 639	-218.8	975.3	1977	91 06 - GPP
32	2.00	0.150	0.40	0.86	64	888	35	9 969	-275.5	1 052.0	1979	83 12
32	2.10	0.210	0.32	0.88	58	888	30	10 179	-266.4	1 047.7	1979	93 12
192	1.81	0.190	0.31	0.90	40	912	32	10 734	-217.4	967.9	1980	83 05 - GPP
64	1.80	0.160	0.50	0.89	50	912	31	11 815	-229.4	985.3	1970	83 12 - GPP
32	13.20	0.210	0.43	0.90	34	939	34	11 280	-252.5	1 016.9	1980	81 09 - GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
ALDERSON 015-11W4 (CONTINUED)								
LOWER MANNVILLE R	59.1	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE S	43.4	<0.07		2.7		2.7	2.7	
LOWER MANNVILLE U	111.0	0.10		11.1		11.1	9.4	1.7
LOWER MANNVILLE W	261.0	0.10		26.1		26.1	18.0	8.1
LOWER MANNVILLE X	165.0	0.10		16.5		16.5	13.1	3.4
LOWER MANNVILLE Y	84.2	0.10		8.4		8.4	4.4	4.0
LOWER MANNVILLE Z	288.0	0.10		28.8		28.8	27.8	1.0
LOWER MANNVILLE AA	604.0	0.05		30.2		30.2	9.5	20.7
LOWER MANNVILLE BB	639.0	0.10		63.9		63.9	58.4	5.5
LOWER MANNVILLE DD	94.1	<0.02		1.2		1.2	1.2	
LOWER MANNVILLE EE	102.0	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE FF	35.4	<0.07		2.3		2.3	2.3	
LOWER MANNVILLE HH	200.0	0.05		10.0		10.0	8.8	1.2
LOWER MANNVILLE II	68.4	<0.02		0.8		0.8	0.8	
LOWER MANNVILLE JJ	210.0	0.10		21.0		21.0	12.7	8.3
LOWER MANNVILLE KK	243.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE LL	99.5	0.10		10.0		10.0	4.8	5.2
LOWER MANNVILLE MM	136.0	0.15		20.4		20.4	17.3	3.1
LOWER MANNVILLE NN	165.0	0.10		16.5		16.5	5.2	11.3
LOWER MANNVILLE OO	46.7	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE PP	148.0	<0.01		0.6		0.6	0.6	
LOWER MANNVILLE QO	1 800.0	0.17	0.04	306.0	72.0	378.0	276.9	101.1
WATER FLOOD								
LOWER MANNVILLE TT	858.0	0.15		129.0		129.0	43.5	85.5
LOWER MANNVILLE UU	114.0	<0.01		0.3		0.3	0.3	
LOWER MANNVILLE VV	103.0	0.10		10.3		10.3	5.9	4.4
LOWER MANNVILLE XX	97.1	0.10		9.7		9.7	1.1	8.6
LOWER MANNVILLE YY	41.8	<0.01		0.3		0.3	0.3	
LOWER MANNVILLE ZZ	76.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE AAA	538.0	0.17		91.5		91.5	78.2	13.3
LOWER MANNVILLE BBB	31.7	<0.03		0.9		0.9	0.9	
LOWER MANNVILLE CCC	54.1	0.15		8.1		8.1	7.3	0.8
LOWER MANNVILLE DDD	28.6	<0.10		2.8		2.8	2.8	
LOWER MANNVILLE EEE	10.3	<0.03		0.3		0.3	0.3	
LOWER MANNVILLE FFF	44.4	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE HHH	32.5	0.10		3.3		3.3	2.6	0.7
LOWER MANNVILLE III	25.7	0.10		2.6		2.6	1.2	1.4
LOWER MANNVILLE KKK	27.9	0.13		3.6		3.6	3.2	0.4
LOWER MANNVILLE MMM	76.0	0.10		7.6		7.6	6.6	1.0
LOWER MANNVILLE OOO	13.2	<0.02		0.2		0.2	0.2	
LOWER MANNVILLE QOO	128.0	0.15		19.2		19.2	8.5	10.7
LOWER MANNVILLE RRR	46.3	<0.01		0.3		0.3	0.3	
LOWER MANNVILLE TTT	47.7	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE UUU	89.9	0.03		2.7		2.7	1.9	0.8
LOWER MANNVILLE A2A	600.0	0.25		150.0		150.0	127.0	23.0
LOWER MANNVILLE C2C	229.0	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE D2D	57.7	0.15		8.7		8.7	7.6	1.1
LOWER MANNVILLE G2G	9.4	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE H2H	370.0	0.15		55.5		55.5	46.4	9.1
LOWER MANNVILLE I2I	51.2	0.10		5.1		5.1	0.9	4.2
LOWER MANNVILLE K2K	80.0	0.19		15.2		15.2	11.7	3.5
LOWER MANNVILLE L2L	106.0	0.13		13.8		13.8	12.9	0.9
LOWER MANNVILLE M2M	1 149.0	0.10		115.0		115.0	43.2	71.8
LOWER MANNVILLE N2N	128.0	0.05		6.4		6.4	0.6	5.8
LOWER MANNVILLE O2O	149.0	0.20		29.8		29.8	23.9	5.9
LOWER MANNVILLE P2P	209.0	0.10		20.9		20.9	7.9	13.0
LOWER MANNVILLE Q2Q	54.4	0.17		9.2		9.2	6.5	2.7
LOWER MANNVILLE R2R	138.0	0.15		20.7		20.7	8.3	12.4
LOWER MANNVILLE S2S	39.0	0.15		5.9		5.9	1.0	4.9
LOWER MANNVILLE T2T	65.8	0.13		8.6		8.6	5.2	3.4
LOWER MANNVILLE V2V	52.9	0.20		10.6		10.6	5.5	5.1
LOWER MANNVILLE W2W	58.5	0.20		11.7		11.7	6.2	5.5
LOWER MANNVILLE X2X	64.7	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE Y2Y	181.0	0.10		18.1		18.1	3.7	14.4
LOWER MANNVILLE Z2Z	444.0	0.15		66.6		66.6	11.1	55.5
LOWER MANNVILLE A3A	400.0	0.03		12.0		12.0	3.8	8.2
LOWER MANNVILLE C3C	146.0	0.10		14.6		14.6	0.1	14.5
LOWER MANNVILLE E3E	202.0	0.15		30.3		30.3	2.9	27.4
LOWER MANNVILLE F3F	72.2	0.15		10.8		10.8		10.8
DETRITAL A	178.0	0.10		17.8		17.8	8.4	9.4
DETRITAL B	151.0	0.10		15.1		15.1	7.0	8.1

HEAVY CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
16	3.60	0.190	0.40	0.90	43	939	34	10 507	-258.3	1 024.8	1981	82 03
32	2.00	0.110	0.30	0.88	58	878	29	10 775	-267.6	1 049.5	1981	88 12
16	5.70	0.190	0.29	0.90	40	914	34	11 264	-270.3	1 050.4	1981	84 10 - GPP
32	8.00	0.210	0.46	0.90	41	923	28	10 328	-205.7	961.0	1981	91 12 - GPP
32	6.60	0.160	0.44	0.87	65	890	31	10 049	-264.8	1 044.0	1980	84 11 - GPP
16	5.00	0.180	0.35	0.90	41	897	31	11 004	-253.8	1 029.9	1982	82 12 - GPP
128	2.41	0.176	0.41	0.90	41	917	31	10 471	-191.4	938.0	1982	84 12 - GPP
64	7.53	0.220	0.40	0.95	24	930	33	10 504	-207.0	966.7	1982	92 05 - GPP
64	7.70	0.210	0.35	0.95	19	908	32	10 454	-204.6	971.6	1982	89 12 - GPP
32	4.43	0.150	0.48	0.85	67	875	32	10 192	-253.6	1 032.0	1973	93 04 - ABAND 92 07
16	6.20	0.190	0.40	0.90	40	933	31	7 893	-229.5	974.3	1982	83 05
32	1.00	0.200	0.35	0.85	67	875	32	11 044	-264.1	1 042.0	1982	92 09 - ABAND 90 02
56	2.38	0.280	0.39	0.88	47	904	34	10 113	-185.4	944.0	1982	88 01 - GPP
16	3.30	0.240	0.40	0.90	39	969	34	9 594	-180.2	939.2	1982	83 06 - ABAND 86 11
16	13.00	0.190	0.41	0.90	41	933	33	10 493	-209.4	971.1	1982	91 12 - GPP
32	8.50	0.178	0.43	0.88	50	907	33	10 132	-201.9	950.3	1983	83 11 - ABAND 91 07
32	3.60	0.160	0.40	0.90	41	910	28	10 238	-189.4	934.3	1982	83 12 - GPP
16	7.50	0.180	0.30	0.90	42	890	31	11 364	-240.8	1 002.2	1983	92 12 - GPP
64	2.00	0.220	0.35	0.90	42	887	30	9 763	-209.7	967.3	1983	84 05 - GPP
16	3.00	0.170	0.35	0.88	52	931	29	9 768	-212.2	968.3	1983	89 12
16	6.70	0.230	0.32	0.88	52	928	33	10 624	-218.9	981.8	1983	89 12 - ABAND 90 06
404	4.57	0.180	0.37	0.86	100	894	30	10 810	-232.9	984.2	1982	93 09 - GPP
276	2.30	0.230	0.34	0.89	41	927	27	10 632	-192.2	945.4	1983	93 06 - GPP
16	5.20	0.240	0.35	0.88	50	930	34	10 185	-208.8	1 019.6	1982	88 12 - ABAND 92 07
16	6.10	0.200	0.40	0.88	50	943	33	10 460	-209.4	984.3	1983	84 09
64	1.26	0.240	0.43	0.88	50	915	30	10 187	-196.6	1 018.0	1983	93 06
16	3.60	0.150	0.45	0.88	50	890	31	10 342	-258.5	1 037.2	1983	88 12
16	5.00	0.180	0.40	0.88	50	882	31	10 543	-264.9	1 041.5	1983	84 10 - ABAND 84 06
64	5.90	0.240	0.34	0.90	37	877	29	10 508	-212.6	965.5	1971	93 12 - GPP
16	1.20	0.250	0.25	0.88	42	904	32	10 996	-262.9	1 041.1	1980	88 12 - ABAND 89 06
16	3.90	0.170	0.40	0.85	65	902	31	10 758	-249.6	1 030.2	1982	89 12 - GPP
16	2.50	0.140	0.40	0.85	65	902	31	11 010	-263.4	1 043.9	1982	93 05 - ABAND 93 01
16	0.60	0.180	0.32	0.88	53	895	30	10 298	-238.1	988.8	1984	84 11 - ABAND 87 12
16	2.50	0.180	0.30	0.88	67	875	33	10 531	-282.4	1 057.6	1984	89 12
16	2.10	0.200	0.45	0.88	54	928	30	10 153	-203.6	964.0	1984	84 12 - GPP
16	1.80	0.160	0.38	0.90	40	904	30	11 003	-247.1	1 022.8	1973	85 01 - GPP
32	1.00	0.180	0.45	0.88	53	897	30	10 338	-235.5	982.8	1984	91 12 - GPP
32	2.50	0.180	0.40	0.88	50	900	32	9 846	-182.9	928.7	1984	91 12
16	1.00	0.180	0.48	0.88	50	925	30	9 358	-186.2	932.2	1984	85 05 - ABAND 86 09
32	4.00	0.180	0.37	0.88	50	880	30	9 333	-245.2	995.7	1984	89 12 - GPP
16	2.20	0.220	0.35	0.92	33	880	30	10 008	-213.8	976.4	1984	85 05 - ABAND 88 10
16	3.90	0.170	0.50	0.90	42	871	31	11 474	-260.2	1 004.0	1985	85 07
16	5.40	0.170	0.32	0.90	42	890	33	11 105	-265.0	1 040.2	1984	90 11 - GPP
113	5.39	0.190	0.39	0.85	64	892	32	10 945	-237.4	986.5	1982	88 12 - GPP
32	4.90	0.220	0.30	0.95	26	920	21	10 405	-216.0	964.7	1985	86 03 - ABAND 91 11
32	1.50	0.210	0.35	0.88	53	895	28	10 945	-230.4	981.3	1984	87 12 - GPP
16	1.40	0.160	0.70	0.87	59	825	29	10 528	-245.2	993.5	1986	87 07 - ABAND 88 03
99	2.92	0.260	0.44	0.88	53	876	30	10 568	-217.9	977.4	1971	93 12 - GPP
16	4.30	0.160	0.44	0.83	66	830	39	10 200	-243.4	996.9	1987	88 02 - GPP
24	3.63	0.170	0.35	0.83	67	852	39	9 360	-237.6	996.8	1987	93 12
32	3.09	0.180	0.30	0.85	48	904	32	10 721	-204.5	959.2	1962	93 12 - GPP
380	3.56	0.160	0.39	0.87	59	886	29	10 650	-217.8	963.4	1979	90 01 - GPP
16	6.22	0.230	0.38	0.90	41	910	28	10 797	-219.3	971.4	1990	90 11 - GPP
45	2.19	0.250	0.33	0.90	43	904	29	10 433	-218.8	972.4	1978	91 12 - GPP
81	1.94	0.250	0.41	0.90	43	904	29	10 118	-185.4	943.1	1966	91 07 - GPP
16	2.30	0.250	0.32	0.87	59	825	29	10 386	-215.3	966.9	1991	93 12 - GPP
16	5.50	0.250	0.30	0.90	43	904	29	10 928	-217.7	967.9	1991	93 08 - GPP
16	3.50	0.160	0.50	0.87	59	886	29	10 512	-280.1	1 058.1	1991	92 03 - GPP
16	3.00	0.250	0.37	0.87	59	886	29	11 074	-266.2	1 048.5	1991	93 12 - GPP
32	1.80	0.180	0.40	0.85	67	875	32	11 178	-270.0	1 047.3	1991	92 12
16	2.50	0.250	0.35	0.90	43	904	29	11 145	-273.0	1 049.3	1991	93 12
16	3.00	0.240	0.39	0.92	39	904	28	8 195	-210.4	968.3	1992	93 02 - ABAND 92 02
16	9.00	0.240	0.43	0.92	39	904	28	8 776	-202.6	1 000.2	1992	92 06 - GPP
131	2.84	0.230	0.39	0.85	67	875	32	10 467	-169.3	918.9	1992	93 07 - GPP
32	8.67	0.220	0.31	0.95	42	940	32	10 457	-205.9	960.3	1982	93 02 - GPP
16	5.50	0.270	0.33	0.92	39	904	28		-210.6	973.8	1992	93 03
32	5.53	0.220	0.39	0.85	67	875	32	10 406	-172.2	924.1	1992	93 07
32	2.79	0.170	0.44	0.85	67	875	32	10 235	-277.3	1 057.7	1978	93 08
64	2.50	0.200	0.37	0.88	50	902	31	13 068	-269.1	1 045.0	1983	83 07 - GPP
64	3.03	0.170	0.48	0.88	52	895	33	10 628	-240.7	991.9	1983	85 12 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
ALDERSON 015-11W4 (CONTINUED)								
DETRITAL C	77.4	0.10		7.7		7.7	7.6	0.1
DETRITAL D	146.0	<0.01		0.4		0.4	0.4	
DETRITAL F	143.0	<0.03		3.6		3.6	3.6	
DETRITAL G	217.0	0.05		10.8		10.8	0.1	10.7
DETRITAL H	448.0	0.05		22.4		22.4	0.6	21.8
DETRITAL I	32.6	0.10		3.3		3.3	0.9	2.4
PEKISKO B	70.2	<0.01		0.3		0.3	0.3	
PEKISKO C	88.1	<0.01		0.2		0.2	0.2	
ARCS B	388.0	0.02		7.8		7.8	4.5	3.3
ARCS C	171.0	<0.01		0.2		0.2	0.2	
FIELD TOTAL	35 237.8			3 779.6	1 379.9	5 159.9	3 223.3	1 936.6
ALEXANDER 056-27W4								
BASAL QUARTZ D	175.0	<0.01		0.6		0.6	0.6	
BASAL QUARTZ E	126.0	0.08		10.1		10.1	6.4	3.7
BASAL QUARTZ G	178.0	0.10		17.8		17.8	12.5	5.3
WABAMUN B	127.0	<0.01		0.3		0.3	0.3	
WABAMUN C	42.7	0.10		4.3		4.3	1.8	2.5
WABAMUN D	153.0	<0.01		1.0		1.0	1.0	
WABAMUN E	67.6	0.15		10.1		10.1	7.3	2.8
WABAMUN F	31.3	<0.08		2.2		2.2	2.2	
FIELD TOTAL	900.6			46.4		46.4	32.1	14.3
ALEXIS 055-04W5								
OSTRACOD A	159.0	<0.01		0.7		0.7	0.7	
OSTRACOD B	296.0	0.04		11.8		11.8	9.8	2.0
BANFF A	7 577.0	0.15		1 137.0		1 137.0	585.4	551.6
FIELD TOTAL	8 032.0			1 149.5		1 149.5	595.9	553.6
ALTARIO 035-01W4								
MCLAREN A	82.3	0.05		4.1		4.1	1.9	2.2
GLAUCONITIC B	72.4	<0.01		0.1		0.1	0.1	
GLAUCONITIC C	56.0	<0.01		0.2		0.2	0.2	
CUMMINGS A	327.0	<0.01		0.1		0.1	0.1	
BAKKEN A	980.0	0.05		49.0		49.0	11.1	37.9
FIELD TOTAL	1 517.7			53.5		53.5	13.4	40.1
ANTE CREEK 066-24W5								
NORDEGG A	670.0	0.05		33.5		33.5	20.6	12.9
FIELD TOTAL *	670.0			33.5		33.5	20.6	12.9
ANTELOPE 029-01W4								
BAKKEN A	137.0	0.05		6.9		6.9	0.2	6.7
FIELD TOTAL *	137.0			6.9		6.9	0.2	6.7
ARMADA 016-19W4								
UPPER MANNVILLE E	318.0	<0.01		0.4		0.4	0.4	
UPPER MANNVILLE H	169.0	0.05		8.5		8.5	3.7	4.8
BASAL QUARTZ C	6.3	<0.05		0.3		0.3	0.3	
FIELD TOTAL *	493.3			9.2		9.2	4.4	4.8
ATIM 054-27W4								
OSTRACOD A	116.0	0.05		5.8		5.8	0.2	5.6
FIELD TOTAL *	116.0			5.8		5.8	0.2	5.6
ATLEE-BUFFALO 021-06W4								
UPPER MANNVILLE A	77.2	<0.02		1.0		1.0	1.0	
UPPER MANNVILLE F	3 803.0	0.02		76.1		76.1	54.7	21.4
UPPER MANNVILLE G	5 065.0	0.04		203.0		203.0	155.9	47.1
UPPER MANNVILLE K	46.7	<0.05		1.9		1.9	1.9	
UPPER MANNVILLE P	413.0	0.05		20.6		20.6	4.2	16.4
UPPER MANNVILLE R	14.0	<0.01		0.1		0.1	0.1	

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
32	2.50	0.200	0.45	0.88	52	888	31	10 694	-241.7	993.0	1983	85 12 - GPP
64	2.10	0.190	0.35	0.88	52	893	31	7 876	-227.8	978.2	1985	85 08 - ABAND 85 12
32	3.40	0.230	0.33	0.85	64	892	32	10 483	-241.4	991.5	1963	85 12 - ABAND 89 03
64	4.00	0.190	0.47	0.84	69	892	32	10 817	-213.2	963.3	1988	89 02
64	7.30	0.210	0.45	0.83	66	852	39	10 799	-211.2	983.1	1988	89 05
16	1.80	0.190	0.30	0.85	66	875	32	11 067	-279.3	1 049.9	1988	89 11 - GPP
32	3.30	0.100	0.30	0.95	20	885	33	6 998	-215.1	983.7	1991	92 12 - ABAND 92 02
16	8.30	0.120	0.43	0.97	11	922	31		-221.5	970.8	1992	92 10 - ABAND 92 08
64	9.72	0.110	0.37	0.90	40	871	34	12 468	-570.1	1 361.2	1986	88 04 - GPP
64	2.60	0.150	0.23	0.89	49	883	35	12 392	-560.2	1 348.4	1988	88 10
65	3.05	0.160	0.35	0.85	35	927	38	8 921	-459.8	1 157.5	1968	71 12
64	1.52	0.230	0.34	0.85	66	887	48	9 104	-523.5	1 224.8	1976	85 12
64	2.20	0.200	0.21	0.80	90	860	39	7 440	-516.4	1 226.7	1983	84 10 - GPP
16	10.06	0.124	0.25	0.85	39	927	48	9 196	-536.4	1 234.1	1968	71 12 - ABAND 72 12
16	5.90	0.095	0.44	0.85	64	938	37	9 308	-535.2	1 241.8	1984	85 04 - GPP
32	5.00	0.160	0.37	0.95	15	940	43	9 848	-598.8	1 310.5	1983	84 02 - ABAND 86 06
64	2.30	0.090	0.40	0.85	78	939	34	9 524	-540.4	1 247.4	1981	88 12 - GPP
16	2.70	0.130	0.36	0.87	54	923	38	10 240	-486.3	1 197.4	1985	92 10
65	2.44	0.160	0.30	0.90	50	921	43	11 471	-630.8	1 362.0	1968	71 12 - ABAND 71 12
65	3.66	0.200	0.30	0.89	44	946	43	11 526	-640.0	1 385.5	1970	88 12 - GPP
729	14.36	0.130	0.36	0.87	51	921	43	11 558	-637.4	1 374.5	1968	83 09 - GPP
16	2.90	0.320	0.41	0.94	24	943	28	7 135	-72.9	821.5	1988	88 12
16	3.50	0.220	0.40	0.98	7	970	30	7 098	-134.6	861.8	1980	80 10 - ABAND 86 11
16	1.70	0.280	0.25	0.98	14	985	33	6 362	-141.2	871.9	1979	80 03 - ABAND 83 01
32	6.40	0.280	0.40	0.95	11	905	28	6 412	-144.2	873.0	1989	90 01 - ABAND 91 11
178	3.15	0.300	0.38	0.94	41	959	31	5 974	-137.0	872.3	1987	89 04
16	21.30	0.230	0.10	0.95	10	953	64	29 128	-1 213.2	2 052.8	1987	87 08 - GPP
16	6.70	0.220	0.39	0.95	39	967	36	8 990	-152.7	901.4	1989	91 04
64	8.68	0.120	0.47	0.90	62	922	35	11 232	-336.1	1 169.6	1984	88 12 - ABAND 89 08
32	11.60	0.120	0.57	0.88	54	923	38	12 156	-357.1	1 217.5	1989	92 05 - GPP
16	0.60	0.120	0.38	0.88	50	930	37	11 792	-372.8	1 232.7	1981	83 11 - ABAND 91 11
16	7.40	0.220	0.52	0.93	27	953	39	6 675	-512.1	1 227.7	1989	92 01
16	3.10	0.260	0.37	0.95	32	969	26	9 377	-184.0	922.2	1972	89 12 - GPP
576	4.00	0.260	0.31	0.92	20	972	31	10 445	-171.3	920.8	1973	90 12 - GPP
565	4.53	0.280	0.24	0.93	22	969	30	10 122	-169.7	892.3	1980	90 12
16	1.80	0.280	0.39	0.95	32	969	26	9 343	-180.4	986.6	1977	92 10 - ABAND 92 08
16	11.80	0.299	0.23	0.95	32	970	26	10 242	-190.7	988.1	1986	87 04
16	1.30	0.250	0.72	0.96	22	990	31	10 872	-186.3	981.2	1987	91 10 - ABAND 90 12

TABLE 2-6

FIELD POOL	1	3		5			6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL			
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	
ATLEE-BUFFALO									
021-06W4 (CONTINUED)									
UPPER MANNVILLE S	34.2	<0.01		0.2		0.2	0.2		
GLAUCONITIC A	142.0	0.05		7.1		7.1	1.6	5.5	
GLAUCONITIC B	25.1	<0.01		0.2		0.2	0.2		
GLAUCONITIC C	428.0	0.03		12.8		12.8	1.2	11.6	
GLAUCONITIC D	151.0	<0.01		0.4		0.4	0.4		
GLAUCONITIC E	29.2	0.10		2.9		2.9	1.3	1.6	
GLAUCONITIC G	117.0	<0.01		0.1		0.1	0.1		
OSTRACOD A	22.5	<0.01		0.1		0.1	0.1		
BASAL MANNVILLE B	192.0	<0.01		0.1		0.1	0.1		
BASAL MANNVILLE D	114.0	<0.01		0.5		0.5	0.5		
BASAL MANNVILLE E	79.5	<0.09		7.0		7.0	7.0		
BASAL MANNVILLE F	26.5	<0.06		1.4		1.4	1.4		
BANFF A	188.0	<0.01		0.3		0.3	0.3		
FIELD TOTAL	10 967.9			335.8		335.8	232.2	103.6	
AUBURNDALE 047-06W4									
COLONY F	103.0	<0.01		0.1		0.1	0.1		
WAINWRIGHT A	1 013.0	0.15		152.0		152.0	117.3	34.7	
WAINWRIGHT B	1 589.0	0.05		79.5		79.5	37.4	42.1	
FIELD TOTAL	2 705.0			231.6		231.6	154.8	76.8	
BADGER 016-18W4									
UPPER MANNVILLE B	3 014.0			391.0	522.0	913.0	335.0	578.0	
TOTAL									
PRIMARY AREA	1 080.0	0.13		140.0		140.0			
WATER FLOOD AREA	1 934.0	0.13	0.27	251.0	522.0	773.0			
UPPER MANNVILLE D	150.0	0.13		19.5		19.5	14.8	4.7	
UPPER MANNVILLE K	203.0	0.10		20.3		20.3	11.5	8.8	
UPPER MANNVILLE L	210.0	0.10		21.0		21.0	5.2	15.8	
UPPER MANNVILLE M	82.2	<0.01		0.3		0.3	0.3		
LOWER MANNVILLE A	101.0	<0.01		0.1		0.1	0.1		
LOWER MANNVILLE C	37.4	<0.01		0.1		0.1	0.1		
FIELD TOTAL *	3 797.6			452.3	522.0	974.3	367.0	607.3	
BANTRY 018-13W4									
MANNVILLE A	22 800.0	0.40		9 120.0		9 120.0	7 858.7	1 261.3	
MANNVILLE B	1 756.0	0.17		299.0		299.0	278.3	20.7	
MANNVILLE D	3 986.0	0.40		1 594.0		1 594.0	1 444.6	149.4	
MANNVILLE F	1 350.0	0.15		203.0		203.0	73.8	129.2	
MANNVILLE G	752.0	0.25		188.0		188.0	122.8	65.2	
MANNVILLE H	98.8	<0.02		1.7		1.7	1.7		
MANNVILLE J	135.0	<0.01		0.2		0.2	0.2		
MANNVILLE M	1 120.0	0.02		22.4		22.4	13.8	8.6	
MANNVILLE O	173.0	0.07		12.1		12.1	11.3	0.8	
MANNVILLE P	453.0	0.07		31.7		31.7	25.4	6.3	
MANNVILLE R	76.8	<0.01		0.1		0.1	0.1		
MANNVILLE S	70.0	0.07		5.0		5.0	4.2	0.8	
MANNVILLE V	82.1	<0.01		0.5		0.5	0.5		
MANNVILLE W	64.1	<0.04		2.3		2.3	2.3		
MANNVILLE Z	175.0	<0.09		14.5		14.5	14.5		
MANNVILLE AA	45.8	<0.02		0.8		0.8	0.8		
MANNVILLE DD	297.0	0.10		29.7		29.7	13.1	16.6	
MANNVILLE FF	2 159.0	0.30		648.0		648.0	486.1	161.9	
MANNVILLE GG	64.2	<0.02		1.1		1.1	1.1		
MANNVILLE HH	83.1	<0.01		0.1		0.1	0.1		
MANNVILLE II	169.0	<0.01		0.6		0.6	0.6		
MANNVILLE JJ	11.9	<0.01		0.1		0.1	0.1		
MANNVILLE KK	30.7	0.15		4.6		4.6	2.4	2.2	
MANNVILLE LL	62.8	0.10		6.3		6.3	3.3	3.0	
MANNVILLE MM	106.0	0.05		5.3		5.3	1.5	3.8	
MANNVILLE OO	153.0	0.10		15.3		15.3	3.6	11.7	
MANNVILLE PP	456.0	0.10		45.6		45.6	2.3	43.3	
MANNVILLE QQ	311.0	0.10		31.1		31.1	3.8	27.3	
MANNVILLE SS	66.8	0.20		13.4		13.4	10.4	3.0	
MANNVILLE TT	91.4	<0.16		13.8		13.8	13.8		
MANNVILLE UU	168.0	0.20		33.6		33.6	28.2	5.4	
MANNVILLE VV	59.8	<0.01		0.4		0.4	0.4		
MANNVILLE WW	200.0	0.25		50.0		50.0	41.9	8.1	

HEAVY CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
16	1.50	0.270	0.45	0.96	22	994	31	10 898	-188.9	912.0	1989	89 12 - ABAND 90 02
16	5.70	0.240	0.30	0.93	31	965	32	8 955	-173.2	874.2	1981	82 04 - GPP
16	1.30	0.200	0.35	0.93	30	976	32	8 874	-169.2	866.9	1982	84 05
32	7.34	0.290	0.31	0.91	37	979	31	10 033	-180.4	946.1	1987	90 10 - GPP
16	5.00	0.290	0.30	0.93	27	955	37	10 104	-169.0	966.9	1986	88 06 - ABAND 89 09
16	1.00	0.280	0.32	0.96	22	990	31	10 500	-171.8	972.3	1987	88 07 - GPP
16	6.00	0.270	0.53	0.96	22	994	31	10 055	-183.1	952.5	1990	92 12 - ABAND 92 09
16	1.00	0.220	0.34	0.97	10	980	33	9 324	-189.2	1 009.2	1982	83 01 - ABAND 88 02
16	9.70	0.220	0.42	0.97	21	986	33	10 778	-193.6	1 020.2	1976	78 10
16	6.10	0.220	0.44	0.95	21	990	28	9 539	-173.6	942.0	1974	92 11
32	2.40	0.184	0.42	0.97	21	986	33	9 989	-190.1	1 009.7	1977	92 10 - ABAND 92 08
16	1.20	0.230	0.38	0.97	21	986	33	10 739	-187.2	1 013.8	1972	82 06 - GPP
16	7.00	0.250	0.30	0.96	15	990	32	10 355	-200.3	897.2	1982	85 12 - ABAND 89 10
16	4.00	0.270	0.40	0.99	8	971	26	2 621	76.1	619.6	1981	82 07
364	1.61	0.300	0.40	0.96	14	959	24	3 865	41.6	625.2	1964	91 12 - GPP
369	1.82	0.316	0.22	0.96	9	959	24	3 954	42.9	624.8	1973	81 12 - GPP
317					56	930	34	11 950	-311.6	1 109.8	1980	91 03
128	5.00	0.240	0.20	0.88								- GPP
189	6.06	0.240	0.20	0.88								
139	1.26	0.150	0.35	0.88	55	930	33	12 720	-310.7	1 111.3	1981	87 12
64	2.70	0.230	0.42	0.88	56	930	34	11 955	-313.0	1 112.7	1982	91 03
64	3.50	0.190	0.44	0.88	56	930	34	11 934	-310.0	1 107.1	1982	91 03
64	1.00	0.200	0.27	0.88	56	930	34	12 037	-315.3	1 119.5	1983	91 03 - ABAND 85 06
16	5.90	0.150	0.20	0.90	46	965	38	12 363	-339.0	1 149.2	1978	79 02
16	2.50	0.200	0.48	0.90	43	928	38	12 202	-360.5	1 183.5	1985	86 04 - ABAND 89 09
4 048	3.50	0.265	0.31	0.88	54	904	28	10 903	-231.1	983.8	1947	92 12 - GPP
456	2.50	0.250	0.30	0.88	54	904	28	10 921	-223.7	975.7	1960	93 12 - GPP
1 022	3.35	0.210	0.37	0.88	54	904	33	10 894	-249.4	1 021.0	1963	93 07 - GPP
296	3.48	0.240	0.38	0.88	54	904	33	11 276	-259.0	1 012.7	1963	93 10
192	2.65	0.240	0.30	0.88	54	904	28	10 917	-225.4	977.9	1964	92 12 - GPP
32	2.13	0.230	0.30	0.90	54	904	38	11 022	-258.0	1 004.8	1965	89 12 - GPP
16	7.01	0.210	0.35	0.88	54	904	33	11 047	-257.4	1 018.2	1967	68 09 - ABAND 68 07
120	6.06	0.250	0.30	0.88	54	904	36	9 052	-247.0	1 003.0	1958	85 12 - GPP
32	3.05	0.250	0.10	0.79	57	915	37	11 496	-262.4	1 012.2	1964	81 12 - GPP
48	5.50	0.260	0.25	0.88	54	904	28	11 033	-222.3	974.1	1968	87 12 - GPP
32	2.50	0.220	0.51	0.89	47	910	37	10 666	-264.5	1 006.3	1979	81 02 - ABAND 84 12
32	1.53	0.250	0.35	0.88	54	904	33	10 645	-270.2	1 019.1	1948	83 01 - GPP
32	2.70	0.180	0.40	0.88	54	903	31	9 911	-222.1	973.9	1980	81 12 - ABAND 92 08
16	3.50	0.200	0.35	0.88	54	914	31	9 690	-200.6	948.5	1980	92 10
32	4.50	0.200	0.31	0.88	48	883	34	10 689	-215.1	964.8	1982	93 10 - ABAND 93 05
16	2.50	0.200	0.35	0.88	48	893	35	10 397	-264.1	1 010.5	1982	89 12 - ABAND 91 11
96	2.99	0.210	0.44	0.88	54	887	29	9 449	-203.1	952.6	1983	83 09 - GPP
440	3.08	0.255	0.29	0.88	54	904	33	10 863	-244.7	1 011.6	1968	93 12 - GPP
64	1.00	0.190	0.40	0.88	50	893	37	9 281	-273.1	1 025.3	1984	92 04 - ABAND 91 11
64	1.10	0.220	0.39	0.88	53	882	30	10 957	-270.7	1 005.4	1984	85 05
64	2.38	0.200	0.37	0.88	49	893	34	9 482	-273.1	1 019.9	1985	85 10 - ABAND 89 03
16	1.20	0.150	0.53	0.88	49	870	30	8 665	-219.9	969.1	1985	85 10 - ABAND 86 02
24	1.21	0.200	0.40	0.88	50	890	30	8 713	-225.5	974.6	1986	88 12 - GPP
64	1.10	0.170	0.41	0.89	45	887	37	10 338	-257.3	1 009.1	1989	90 10 - GPP
32	4.00	0.160	0.40	0.86	66	871	32	10 887	-252.4	986.5	1990	91 10
64	2.00	0.240	0.42	0.86	66	871	32	10 640	-263.0	1 005.0	1992	92 08 - GPP
32	23.00	0.150	0.52	0.86	66	871	32	10 075	-242.5	989.0	1983	92 09
64	3.20	0.250	0.31	0.88	55	890	36	11 225	-288.0	1 026.9	1991	92 03 - GPP
31	2.08	0.190	0.38	0.88	54	904	33		-262.2	1 009.7	1989	93 10 - GPP
67	1.00	0.250	0.38	0.88	54	904	33		-258.4	1 012.5	1963	93 10 - ABAND 86 09
64	2.51	0.192	0.38	0.88	54	904	33		-259.3	1 012.4	1963	93 12 - GPP
34	1.32	0.233	0.35	0.88	54	904	33		-257.8	1 010.7	1962	93 10 - ABAND 89 11
112	1.64	0.217	0.43	0.88	54	904	33		-260.1	1 014.4	1963	93 12 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE 10 ³ m ³	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 10 ³ m ³	REMAINING ESTABLISHED RESERVES 10 ³ m ³
		PRIMARY frac	ENHANCED frac	PRIMARY 10 ³ m ³	ENHANCED 10 ³ m ³	TOTAL 10 ³ m ³		
BANTRY 018-13W4 (CONTINUED)								
MANNVILLE XX	240.0	0.10		24.0		24.0	9.7	14.3
SUNBURST A	146.0	<0.12		16.9		16.9	14.8	2.1
SUNBURST C	300.0	0.20		60.0		60.0	31.1	28.9
SUNBURST D	96.1	<0.01		0.4		0.4	0.4	
SUNBURST E	47.3	<0.01		0.2		0.2	0.1	0.1
DETRITAL A	58.9	0.10		5.9		5.9	4.0	1.9
DETRITAL B	952.0	0.10		95.2		95.2	77.5	17.7
DETRITAL C	36.0	0.10		3.6		3.6	2.1	1.5
PEKISKO A	66.4	<0.02		0.8		0.8	0.8	
PEKISKO B	172.0	<0.01		0.8		0.8	0.8	
PEKISKO C	134.0	0.10		13.4		13.4	2.6	10.8
PEKISKO G	620.0	0.10	0.01	62.0	6.2	68.2	59.2	9.0
WATER FLOOD								
PEKISKO J	120.0	0.15		18.0		18.0	14.2	3.8
PEKISKO K	168.0	0.12		20.2		20.2	16.3	3.9
PEKISKO L	360.0	0.12		45.0		45.0	32.7	12.3
PEKISKO M	94.0	0.15		14.1		14.1	12.2	1.9
PEKISKO N	160.0	0.20		32.0		32.0	24.3	7.7
PEKISKO I & SUNBURST B	404.0	0.08		32.3		32.3	24.2	8.1
FIELD TOTAL	41 802.0			12 839.1	6.2	12 845.3	10 792.7	2 052.6
BARRHEAD 058-05W5								
BANFF A	59.1	<0.02		1.0		1.0	1.0	
BANFF C	53.5	<0.21		11.1		11.1	11.1	
FIELD TOTAL	112.6			12.1		12.1	12.1	
BAXTER LAKE 046-05W4								
MANNVILLE C	142.0	<0.01		0.1		0.1	0.1	
WAINWRIGHT	1 342.0	0.22		295.0		295.0	233.3	61.7
WAINWRIGHT C	659.0	0.20		132.0		132.0	95.9	36.1
LLOYDMINSTER A	203.0	<0.01		0.2		0.2	0.2	
FIELD TOTAL	2 346.0			427.3		427.3	329.5	97.8
BENTON 029-03W4								
MANNVILLE A	82.2	<0.01		0.8		0.8	0.8	
FIELD TOTAL	82.2			0.8		0.8	0.8	
BERRY 027-12W4								
UPPER MANNVILLE J	40.5	0.03		1.2		1.2	0.8	0.4
UPPER MANNVILLE M	42.2	0.05		2.1		2.1	1.7	0.4
UPPER MANNVILLE Q	41.2	0.10		4.1		4.1	3.2	0.9
LOWER MANNVILLE A	888.0	0.04		35.5		35.5	27.3	8.2
LOWER MANNVILLE F	150.0	0.08		12.0		12.0	9.4	2.6
LOWER MANNVILLE I	52.4	<0.02		0.6		0.6	0.6	
FIELD TOTAL *	1 214.3			55.5		55.5	43.0	12.5
BIGORAY 052-08W5								
PEKISKO A	5 400.0	0.04		216.0		216.0	173.8	42.2
PEKISKO F	21.9	<0.01		0.1		0.1	0.1	
FIELD TOTAL *	5 421.9			216.1		216.1	173.9	42.2
BINDLOSS 022-04W4								
GLAUCONITIC A	43.1	<0.03		1.0		1.0	1.0	
LOWER MANNVILLE A	194.0	0.05		9.7		9.7	7.7	2.0
LOWER MANNVILLE B	166.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL	403.1			10.8		10.8	8.8	2.0
BIRCH 050-11W4								
GENERAL PETROLEUM A	109.0	<0.02		1.4		1.4	1.4	
FIELD TOTAL	109.0			1.4		1.4	1.4	

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
32	5.62	0.240	0.37	0.88	54	904	33		-260.9	1 015.9	1990	93 10 - GPP
32	5.00	0.160	0.35	0.88	48	880	32	10 495	-212.6	961.7	1983	93 12 - GPP
60	4.79	0.200	0.40	0.87	59	886	29	9 158	-230.0	981.8	1973	90 12 - GPP
32	2.10	0.250	0.35	0.88	54	904	33		-257.3	1 026.3	1967	93 10 - GPP
32	2.10	0.160	0.50	0.88	54	904	33		-266.4	1 018.5	1991	93 10 - GPP
32	1.53	0.228	0.40	0.88	42	870	30	8 461	-224.7	972.0	1983	83 11 - GPP
160	4.39	0.230	0.33	0.88	50	882	30	10 269	-222.6	972.1	1984	88 05
16	3.20	0.160	0.50	0.88	51	880	30	10 186	-213.7	962.8	1986	86 10 - GPP
16	14.63	0.045	0.30	0.90	53	965	39	10 826	-225.3	976.6	1966	68 05 - ABAND 68 09
55	3.05	0.170	0.33	0.90	40	934	32	10 379	-228.6	983.0	1976	83 12 - ABAND 78 05
64	2.00	0.150	0.20	0.87	55	880	33	10 571	-256.2	1 007.5	1982	83 01 - GPP
183	6.45	0.080	0.27	0.90	45	896	32	10 781	-216.3	967.9	1972	92 12 - GPP
31	10.20	0.065	0.35	0.90	45	896	32	10 749	-212.7	961.1	1982	90 12 - GPP
32	8.70	0.090	0.24	0.88	45	884	29	9 238	-217.0	966.4	1984	90 12 - GPP
101	5.00	0.108	0.25	0.88	49	892	34	10 593	-256.6	1 025.9	1978	93 12 - GPP
24	5.62	0.120	0.34	0.88	49	888	34	10 841	-258.4	1 040.0	1979	88 12 - GPP
64	2.81	0.140	0.28	0.88	49	881	34	10 550	-256.4	1 013.1	1980	90 12 - GPP
100	7.98	0.076	0.26	0.90	45	896	32	10 757	-213.7	963.6	1983	91 12
32	3.00	0.110	0.30	0.80	51	921	40	9 873	-532.4	1 222.5	1949	82 12
16	3.70	0.140	0.25	0.86	51	921	40	10 891	-512.9	1 185.0	1954	75 12 - ABAND 70 08
16	3.70	0.330	0.22	0.93	28	959	29	4 542	6.1	661.1	1975	92 11
307	2.00	0.330	0.31	0.96	18	952	22	3 973	38.4	656.2	1947	93 12 - GPP
243	1.24	0.330	0.31	0.96	20	959	20	3 979	34.4	641.7	1973	93 05 - GPP
16	10.67	0.240	0.45	0.90	27	927	32	4 221	3.0	707.6	1975	78 12
16	4.10	0.240	0.42	0.90	39	944	36	8 347	-133.9	904.8	1988	89 02 - ABAND 89 09
16	2.47	0.190	0.40	0.90	43	876	37	9 576	-324.2	1 119.2	1978	93 12
32	2.00	0.150	0.50	0.88	48	858	34	10 211	-309.6	1 096.7	1978	91 12
64	0.70	0.180	0.42	0.88	49	803	45	9 675	-314.6	1 102.9	1988	88 11
160	4.47	0.210	0.35	0.91	40	891	34	9 766	-309.5	1 077.6	1964	83 10 - GPP
48	3.23	0.180	0.41	0.91	51	860	42	9 386	-299.3	1 110.5	1975	82 12 - GPP
64	1.00	0.180	0.50	0.91	36	875	43	10 996	-325.2	1 130.4	1985	87 09 - ABAND 88 04
3 000	4.58	0.072	0.35	0.84	62	915	64	15 242	-1 058.9	1 918.7	1962	92 11 - GPP
32	4.20	0.035	0.44	0.83	68	935	65	14 399	-1 082.2	1 977.0	1979	86 08 - ABAND 86 09
16	1.50	0.270	0.30	0.95	44	945	31	6 788	-172.1	785.8	1982	88 12 - GPP
32	3.40	0.280	0.33	0.95	22	974	30	9 389	-167.7	787.9	1974	89 12 - GPP
16	6.10	0.280	0.36	0.95	16	778	40	7 219	-174.6	786.3	1981	83 01
16	4.50	0.280	0.45	0.98	3	965	24	4 968	0.6	643.8	1980	82 03 - GPP

TABLE 2-6

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
BLACK BUTTE 001-08W4								
MANNVILLE B	932.0	0.10		93.2		93.2	56.5	36.7
FIELD TOTAL	932.0			93.2		93.2	56.5	36.7
BLUERIDGE 059-10W5								
PEKISKO A	102.0	<0.06		5.5		5.5	5.5	
FIELD TOTAL	102.0			5.5		5.5	5.5	
BOLLOQUE 064-25W4								
UPPER MANNVILLE A	246.0	0.02		4.9		4.9	3.0	1.9
UPPER MANNVILLE G	385.0	<0.01		3.8		3.8	3.8	
UPPER MANNVILLE K	664.0	0.02		13.3		13.3	4.1	9.2
FIELD TOTAL	1 295.0			22.0		22.0	10.9	11.1
BOW ISLAND 011-11W4								
GLAUCONITIC A	5 230.0	0.10		523.0		523.0	429.4	93.6
GLAUCONITIC B	51.7	0.10		5.2		5.2		5.2
GLAUCONITIC C	727.0	0.05		36.4		36.4	2.0	34.4
LOWER MANNVILLE A	49.4	0.10		4.9		4.9	1.1	3.8
LOWER MANNVILLE C	97.3	0.10		9.7		9.7	9.4	0.3
LOWER MANNVILLE D	173.0	<0.01		0.3		0.3	0.3	
SAWTOOTH B	240.0	0.05		12.0		12.0	5.1	6.9
SAWTOOTH D	523.0	0.25		131.0		131.0	62.7	68.3
SAWTOOTH E	70.7	0.25		17.7		17.7	13.1	4.6
SAWTOOTH F	341.0	0.25		85.3		85.3	20.3	65.0
SAWTOOTH G	232.0	0.30		69.6		69.6	23.7	45.9
FIELD TOTAL	7 735.1			895.1		895.1	567.1	328.0
CAPRON 026-03W4								
DETRITAL D	83.8	<0.01		0.5		0.5	0.5	
BANFF A	27.9	<0.01		0.2		0.2	0.2	
FIELD TOTAL	111.7			0.7		0.7	0.7	
CECIL 084-08W6								
CHARLIE LAKE A	11 830.0	0.10		1 183.0		1 183.0	914.8	268.2
CHARLIE LAKE B	359.0	<0.01		0.3		0.3	0.3	
CHARLIE LAKE C	152.0	<0.01		0.2		0.2	0.2	
CHARLIE LAKE D	61.5	<0.01		0.4		0.4	0.4	
CHARLIE LAKE N	41.0	0.10		4.1		4.1	0.2	3.9
CHARLIE LAKE O	2 552.0	0.10		255.0		255.0	65.2	189.8
CHARLIE LAKE Q	142.0	0.05		7.1		7.1	0.1	7.0
CHARLIE LAKE L & M	3 758.0	0.05		188.0		188.0	96.4	91.6
FIELD TOTAL	18 895.5			1 638.1		1 638.1	1 077.6	560.5
CESSFORD 025-13W4								
BASAL COLORADO A	11 830.0			1 604.0	618.0	2 222.0	1 891.1	330.9
TOTAL								
PRIMARY AREA	5 653.0	0.12		678.0		678.0		
WATER FLOOD AREA	6 176.0	0.15	0.10	926.0	618.0	1 544.0		
MANNVILLE C	29 100.0	0.11		3 201.0		3 201.0	2 775.9	425.1
MANNVILLE E	286.0	0.10		28.6		28.6	26.6	2.0
MANNVILLE I	139.0	0.10		13.9		13.9	10.1	3.8
MANNVILLE X	190.0	0.18		34.2		34.2	29.0	5.2
MANNVILLE OO	124.0	<0.04		4.6		4.6	4.6	
MANNVILLE Y & Z	9 816.0	0.10		982.0		982.0	593.1	388.9
MANNVILLE GGG	80.7	0.10		8.1		8.1	5.7	2.4
MANNVILLE VVV	47.6	<0.01		0.4		0.4	0.4	
MANNVILLE WWW	89.1	<0.01		0.5		0.5	0.5	
MANNVILLE XXX	146.0	<0.01		0.2		0.2	0.2	
MANNVILLE Q20	104.0	0.10		10.4		10.4	6.4	4.0
MANNVILLE P2P	149.0	<0.01		0.5		0.5	0.5	
MANNVILLE Q20	66.0	<0.01		0.1		0.1	0.1	
MANNVILLE T2T	203.0	0.10		20.3		20.3	13.7	6.6
MANNVILLE U2U	75.1	0.10		7.5		7.5	1.2	6.3
MANNVILLE V2V	28.9	<0.10		2.7		2.7	2.7	
MANNVILLE Y2Y	50.9	0.15		7.6		7.6	3.7	3.9
MANNVILLE G3G	152.0	0.05		7.6		7.6	0.2	7.4

HEAVY CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
333	2.47	0.210	0.38	0.87	62	915	32	8 599	102.6	936.9	1969	92 01 - GPP
128	2.07	0.065	0.30	0.85	46	940	54	12 570	-836.5	1 739.9	1967	92 11 - GPP
65	2.44	0.250	0.35	0.96	35	946	21	5 909	-152.7	863.5	1974	89 12 - GPP
16	12.95	0.280	0.33	0.99	10	971	24	4 571	73.5	633.2	1984	93 12 - ABAND 93 05
32	11.24	0.290	0.33	0.95	20	973	32	4 481	63.8	638.4	1988	90 06 - GPP
288	9.55	0.260	0.23	0.95	19	920	34	9 975	-96.7	911.8	1985	86 05 - GPP
16	2.30	0.200	0.26	0.95	19	952	33	9 278	-99.0	911.9	1990	90 09 - GPP
115	3.82	0.260	0.33	0.95	20	967	34		-111.2	926.5	1992	93 10 - GPP
16	2.50	0.200	0.35	0.95	16	928	31	10 775	-131.6	918.8	1979	82 03
64	1.27	0.200	0.37	0.95	16	916	31	10 386	-152.1	931.4	1984	88 08 - GPP
32	3.00	0.260	0.27	0.95	20	916	33	10 505	-139.0	931.3	1985	85 07 - ABAND 89 12
16	7.70	0.270	0.24	0.95	14	905	34	9 833	-107.5	920.7	1989	92 12 - GPP
160	2.74	0.213	0.41	0.95	14	929	33	10 270	-112.2	926.2	1980	93 09 - GPP
29	2.30	0.200	0.43	0.93	29	964	33	9 742	-152.0	913.3	1990	91 12
64	4.11	0.220	0.38	0.95	14	929	34	9 144	-112.3	925.1	1991	92 11 - GPP
64	2.24	0.240	0.29	0.95	17	919	37	9 108	-118.3	929.1	1991	93 04 - GPP
16	7.20	0.150	0.50	0.97	11	970	32	8 097	-191.5	921.5	1991	92 04 - ABAND 92 01
16	3.00	0.130	0.53	0.95	22	965	28	10 230	-191.7	913.5	1987	88 02 - ABAND 89 05
2 877	4.00	0.160	0.27	0.88	44	907	46	10 061	-442.6	1 061.9	1975	91 02 - GPP
64	6.39	0.170	0.37	0.82	54	898	42	9 374	-427.4	864.4	1987	87 12 - ABAND 89 07
32	7.60	0.134	0.47	0.88	45	912	46	10 283	-462.6	1 153.4	1987	88 08 - ABAND 89 11
32	4.00	0.107	0.49	0.88	45	912	46	10 456	-470.3	1 154.3	1982	92 10
32	1.60	0.140	0.35	0.88	44	907	46	9 941	-442.1	1 125.2	1989	91 01
582	4.50	0.160	0.30	0.87	45	910	41	9 267	-456.8	1 150.3	1984	93 09
32	4.14	0.170	0.29	0.89	44	914	45	9 887	-435.8	1 061.3	1988	91 12
589	5.94	0.170	0.29	0.89	44	849	45	9 581	-430.5	1 058.2	1987	92 05 - GPP
3 238					46	898	27	8 818	-178.1	914.3	1950	93 12 - GPP
1 691	2.36	0.258	0.39	0.90								
1 547	3.03	0.240	0.39	0.90								
4 764	5.39	0.220	0.44	0.92	44	910	31	9 799	-270.9	1 013.7	1951	92 11 - GPP
66	3.88	0.247	0.48	0.87	44	904	37	9 745	-290.3	1 040.1	1962	77 12 - GPP
65	2.44	0.220	0.54	0.87	45	892	31	9 764	-276.9	1 015.4	1951	73 12 - GPP
64	3.10	0.200	0.45	0.87	45	892	31	8 629	-308.6	1 019.4	1968	91 12 - GPP
65	1.52	0.200	0.30	0.90	44	915	32	8 855	-283.3	1 024.6	1974	77 02
2 369	3.60	0.210	0.37	0.87	45	892	35	9 354	-279.4	1 006.2	1951	92 12 - GPP
64	1.50	0.210	0.55	0.89	49	904	32	8 433	-281.1	1 012.9	1977	93 12
32	1.74	0.190	0.50	0.90	31	920	33	7 550	-284.9	1 024.2	1981	82 07
32	3.20	0.200	0.50	0.87	40	944	36	9 979	-306.3	1 061.3	1981	85 12
32	4.45	0.193	0.41	0.90	38	910	39	8 041	-288.9	1 052.0	1982	85 12 - ABAND 84 03
64	1.50	0.220	0.40	0.82	78	766	30	9 637	-311.5	1 102.3	1985	85 12 - GPP
64	2.00	0.230	0.45	0.92	33	919	34	9 417	-293.3	1 042.0	1985	86 06 - ABAND 90 03
32	2.50	0.230	0.61	0.92	33	909	34	9 462	-286.2	1 036.8	1986	86 08 - ABAND 89 08
64	3.97	0.170	0.46	0.87	45	895	31	8 516	-286.7	1 027.2	1987	89 05 - GPP
64	1.50	0.170	0.50	0.92	33	864	38	8 328	-319.3	1 183.8	1983	84 04
32	1.00	0.180	0.43	0.88	45	907	45	9 272	-327.5	1 182.0	1984	84 02 - ABAND 90 02
32	2.00	0.160	0.46	0.92	33	919	34	9 890	-284.8	1 002.2	1988	89 06 - GPP
32	3.00	0.260	0.34	0.92	33	918	34	10 455	-198.5	932.6	1992	92 07 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
CESSFORD 025-13W4 (CONTINUED)								
MANNVILLE Z3Z	628.0	0.15		94.2		94.2	27.7	66.5
MANNVILLE A4A	195.0	0.10		19.5		19.5	0.1	19.4
MANNVILLE B4B	113.0	0.10		11.3		11.3	0.1	11.2
MANNVILLE C4C	88.3	0.10		8.8		8.8	1.7	7.1
MANNVILLE D4D	104.0	0.10		10.4		10.4	0.1	10.3
MANNVILLE E4E	150.0	0.15		22.5		22.5	9.6	12.9
MANNVILLE F4F	124.0	0.10		12.4		12.4	0.8	11.6
MANNVILLE G4G	147.0	0.10		14.7		14.7	0.3	14.4
MANNVILLE H4H	55.6	0.15		8.3		8.3	2.3	6.0
MANNVILLE T4T	383.0	0.10		38.3		38.3	0.3	38.0
MANNVILLE W4W	76.4	0.05		3.8		3.8	0.4	3.4
COLONY A	55.6	<0.01		0.4		0.4	0.4	
BASAL QUARTZ C	789.0	0.02		15.8		15.8	6.3	9.5
BASAL QUARTZ F	103.0	0.10		10.3		10.3	3.8	6.5
BASAL QUARTZ G	106.0	0.10		10.6		10.6	1.1	9.5
BASAL QUARTZ H	115.0	<0.02		1.5		1.5	1.5	
BASAL QUARTZ I	203.0	0.05		10.1		10.1	1.5	8.6
DETRITAL C	78.9	0.05		3.9		3.9	2.5	1.4
DETRITAL D	593.0	0.05		29.7		29.7	0.7	29.0
PEKISKO A	63.6	<0.03		1.4		1.4	1.4	
FIELD TOTAL *	56 848.7			6 262.1	618.0	6 880.1	5 428.3	1 451.8
CHAUVIN 043-01W4								
MANNVILLE A TOTAL	6 442.0			705.0	732.0	1 437.0	1 280.1	156.9
PRIMARY AREA	341.0	0.10		34.1		34.1		
WATER FLOOD AREA	6 101.0	0.11	0.12	671.0	732.0	1 403.0		
MANNVILLE B	800.0	0.10		80.0		80.0	75.5	4.5
COLONY A	129.0	0.05		6.5		6.5	3.9	2.6
SPARKY A WATER FLOOD	300.0	0.10	0.25	30.0	75.0	105.0	87.6	17.4
SPARKY D	1 510.0	0.08		121.0		121.0	110.3	10.7
SPARKY E	541.0	0.12		64.9		64.9	53.4	11.5
GENERAL PETROLEUM A	234.0	<0.01		0.8		0.8	0.8	
LLOYDMINSTER C	253.0	<0.01		0.1		0.1	0.1	
CUMMINGS A	556.0	0.02		11.1		11.1	7.1	4.0
FIELD TOTAL	10 765.0			1 019.4	807.0	1 826.4	1 618.8	207.6
CHAUVIN SOUTH 042-02W4								
UPPER MANNVILLE D	194.0	<0.01		0.3		0.3	0.3	
COLONY A	556.0	0.05		27.8		27.8	17.2	10.6
COLONY B	833.0	0.03		25.0		25.0	21.0	4.0
COLONY H	567.0	0.10		56.7		56.7	23.6	33.1
COLONY O	231.0	0.06		13.9		13.9	11.3	2.6
COLONY R	194.0	0.05		9.7		9.7	0.5	9.2
SPARKY E TOTAL	4 501.0			686.0	642.0	1 328.0	1 088.3	239.7
PRIMARY AREA	219.0	0.20		43.8		43.8		
WATER FLOOD AREA	4 282.0	0.15	0.15	642.0	642.0	1 284.0		
SPARKY H TOTAL	3 335.0			234.0	607.0	841.0	757.2	83.8
PRIMARY AREA	695.0	0.07		48.7		48.7		
WATER FLOOD AREA	2 640.0	0.07	0.23	185.0	607.0	792.0		
SPARKY M	501.0	0.04		20.0		20.0	14.3	5.7
SPARKY T	66.6	0.08		5.3		5.3	4.7	0.6
SPARKY W	234.0	<0.02		2.6		2.6	2.6	
SPARKY X	1 053.0	0.06		68.4		68.4	50.6	17.8
SPARKY Z	70.6	<0.01		0.3		0.3	0.3	
SPARKY AA	60.2	<0.01		0.1		0.1	0.1	
SPARKY CC	89.9	0.07		6.3		6.3	5.5	0.8
SPARKY DD	23.9	0.10		2.4		2.4	0.5	1.9
SPARKY EE	16.3	<0.01		0.1		0.1	0.1	
SPARKY N,R & S	2 280.0	0.05		114.0		114.0	97.4	16.6
SPARKY A,B,GEN PET A & LLOYD C TOTAL	28 910.0			1 574.0	2 060.0	3 634.0	2 841.2	792.8
PRIMARY AREA	16 040.0	0.05		802.0		802.0		
WATER FLOOD AREA	12 870.0	0.06	0.16	772.0	2 060.0	2 832.0		
GENERAL PETROLEUM B	9.3	0.20		1.9		1.9	1.7	0.2
GENERAL PETROLEUM C	228.0	0.10		22.8		22.8	3.6	19.2
REX A	90.4	<0.02		1.0		1.0	1.0	
LLOYDMINSTER E	430.0	0.10		43.0		43.0	30.6	12.4
LLOYDMINSTER F	373.0	<0.02		6.9		6.9	3.6	3.3

HEAVY CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
200	2.10	0.250	0.35	0.92	33	918	34	9 155	-271.1	1 018.3	1991	92 04
16	11.03	0.240	0.50	0.92	33	919	34	7 124	-279.5	1 010.0	1991	92 04 - GPP
16	5.00	0.260	0.41	0.92	33	919	34	7 101	-273.9	1 008.5	1991	92 04 - GPP
32	2.50	0.240	0.50	0.92	33	919	34	9 191	-280.9	1 003.5	1991	92 04 - GPP
32	3.20	0.220	0.50	0.92	33	919	34	9 098	-263.2	1 009.9	1991	92 04 - GPP
88	1.76	0.210	0.50	0.92	33	919	34	6 203	-280.4	1 007.5	1991	93 02 - GPP
32	3.20	0.240	0.45	0.92	33	919	34	8 451	-280.6	1 024.4	1991	92 11 - GPP
32	3.80	0.230	0.43	0.92	33	919	34	8 886	-276.5	1 011.1	1992	92 06
32	1.80	0.210	0.50	0.92	33	918	34	8 240	-282.9	1 012.6	1992	92 06 - GPP
64	4.30	0.250	0.36	0.87	58	890	32		-290.6	1 042.3	1992	92 11
16	4.15	0.250	0.50	0.92	33	918	34	9 737	-259.2	992.7	1992	93 10
16	3.00	0.230	0.44	0.90	40	955	38	8 738	-132.9	860.5	1974	88 12 - GPP
192	6.55	0.140	0.46	0.83	56	865	40	9 414	-424.6	1 312.0	1980	89 12 - GPP
64	3.00	0.150	0.60	0.89	40	859	32	10 197	-273.4	988.9	1981	85 08 - GPP
64	2.00	0.176	0.49	0.92	33	890	34	10 637	-282.6	996.5	1987	88 03
64	1.30	0.240	0.36	0.90	39	896	34	9 813	-285.0	998.5	1987	88 03 - ABAND 89 06
32	7.20	0.170	0.39	0.85	67	875	31	8 973	-274.8	989.3	1989	90 11 - GPP
16	5.80	0.150	0.37	0.90	39	896	27	9 484	-291.4	1 013.8	1987	88 03 - GPP
128	4.82	0.180	0.42	0.92	33	919	34	9 529	-296.5	1 038.9	1987	91 07 - GPP
65	1.83	0.100	0.40	0.89	66	844	44	9 705	-370.1	1 282.4	1959	61 09 - ABAND 68 05
844					14	921	24	4 960	3.7	632.4	1952	93 12
64	3.30	0.300	0.44	0.96								- GPP
780	4.85	0.300	0.44	0.96								- GPP
191	2.24	0.300	0.35	0.96	14	921	24	4 949	2.0	616.3	1954	84 12 - GPP
16	3.90	0.320	0.35	0.99	15	951	26	5 179	-42.0	657.2	1986	87 05 - GPP
130	1.82	0.240	0.45	0.96	14	922	24	5 632	5.1	625.7	1980	93 12 - GPP
655	1.27	0.300	0.37	0.96	17	950	24	4 808	16.6	592.2	1974	84 12 - GPP
170	1.67	0.320	0.38	0.96	17	943	24	4 431	18.2	610.2	1979	91 04 - GPP
32	3.37	0.310	0.28	0.97	13	950	24	4 741	-7.3	633.5	1979	89 12
16	6.20	0.310	0.17	0.99	14	955	26	5 028	-41.0	667.4	1985	88 12 - ABAND 86 07
64	4.44	0.290	0.29	0.95	21	956	26	4 544	-35.0	636.7	1962	82 09 - GPP
16	5.40	0.320	0.23	0.91	45	985	24	4 381	24.4	608.9	1979	80 06
64	4.47	0.292	0.30	0.95	14	927	25	4 275	45.3	607.5	1963	87 05 - GPP
40	9.45	0.320	0.29	0.97	9	972	33	4 098	44.5	584.8	1968	85 12 - GPP
80	3.36	0.300	0.29	0.99	12	956	24	4 174	46.8	561.3	1977	85 12 - GPP
32	3.53	0.310	0.32	0.97	20	940	35	4 186	43.5	569.2	1983	93 12 - GPP
16	6.40	0.300	0.35	0.97	18	930	25	3 993	17.0	634.4	1985	89 08
976					14	910	24	4 790		643.8	1969	93 08
117	0.91	0.290	0.26	0.96								- GPP
859	2.42	0.290	0.26	0.96								- GPP
503					20	898	28	4 828	-3.7	631.9	1971	87 12
109	2.58	0.307	0.16	0.96								- GPP
394	2.77	0.300	0.16	0.96								- GPP
64	3.70	0.310	0.29	0.96	16	921	32	5 105	0.9	610.2	1973	87 12 - GPP
48	1.00	0.260	0.45	0.97	12	945	29	4 765	-20.1	650.8	1979	93 12 - GPP
32	6.28	0.240	0.50	0.97	12	925	25	4 725	-6.1	663.0	1982	83 05 - ABAND 87 10
248	1.89	0.300	0.22	0.96	18	933	20	4 735	-3.8	622.1	1977	93 12 - GPP
16	2.50	0.280	0.35	0.97	10	946	33	4 797	2.7	610.4	1983	88 12 - ABAND 84 08
32	1.00	0.280	0.30	0.96	20	898	28	4 786	-15.4	652.6	1981	88 12
32	1.50	0.300	0.35	0.96	15	915	26	6 677	-22.1	655.8	1981	93 12 - GPP
16	1.00	0.280	0.45	0.97	13	913	24	4 803	3.7	610.8	1983	89 01 - GPP
8	1.20	0.280	0.37	0.96	18	930	22	4 807	5.3	618.9	1980	89 08 - ABAND 90 08
336	4.22	0.270	0.38	0.96	18	921	24	4 522		624.1	1969	92 01
3 271					16	910	31	4 620		653.2	1952	93 12 - GPP
2 059	4.14	0.280	0.30	0.96								- GPP
1 212	5.45	0.290	0.30	0.96								- GPP
16	0.40	0.270	0.42	0.93	28	934	30	3 524		640.4	1985	91 12 - GPP
64	2.72	0.270	0.50	0.97	13	912	24	5 043	-25.2	667.5	1991	93 02 - GPP
16	4.50	0.230	0.40	0.91	14	985	28	6 805	-13.3	627.8	1983	84 02 - ABAND 86 01
128	1.84	0.280	0.32	0.96	14	940	24	5 063	-24.2	697.1	1969	88 12 - GPP
96	1.90	0.300	0.29	0.96	14	904	27	4 764	-24.1	650.8	1973	80 12 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
CHAUVIN SOUTH 042-02W4 (CONTINUED)								
LLOYDMINSTER J	157.0	0.05		7.9		7.9	3.2	4.7
DINA A	107.0	<0.01		0.1		0.1	0.1	
DINA B	186.0	<0.01		0.2		0.2	0.2	
DINA C	571.0	0.05		28.5		28.5	1.0	27.5
CAMROSE A	22.2	<0.03		0.5		0.5	0.5	
LEDUC A	321.0	0.05		16.1		16.1	0.9	15.2
FIELD TOTAL	46 211.4			2 975.8	3 309.0	6 284.8	4 983.1	1 301.7
CHERHILL 056-05W5								
BANFF C	3 558.0	0.05		178.0		178.0	120.1	57.9
BANFF F	13 800.0	0.10		1 380.0		1 380.0	440.6	939.4
BANFF Q	113.0	<0.01		0.2		0.2	0.2	
BANFF V	217.0	<0.03		4.9		4.9	4.9	
FIELD TOTAL *	17 688.0			1 563.1		1 563.1	565.8	997.3
CHIGWELL 041-24W4								
MANNVILLE C	344.0	<0.01		1.7		1.7	1.7	
FIELD TOTAL *	344.0			1.7		1.7	1.7	
CHIN COULEE 007-14W4								
GLAUCONITIC A	221.0	<0.01		1.0		1.0	1.0	
GLAUCONITIC B	134.0	0.05		6.7		6.7	2.1	4.6
GLAUCONITIC C	261.0	0.06		15.7		15.7	15.1	0.6
BASAL MANNVILLE A	4 058.0			406.0	702.0	1 108.0	949.8	158.2
TOTAL								
PRIMARY AREA	548.0	0.10		54.8		54.8		
WATER FLOOD AREA	3 510.0	0.10	0.20	351.0	702.0	1 053.0		
SAWTOOTH A	30.5	0.10		3.1		3.1	1.1	2.0
FIELD TOTAL	4 704.5			432.5	702.0	1 134.5	969.1	165.4
COMPEER 033-02W4								
LOWER MANNVILLE A	118.0	<0.07		8.2		8.2	8.2	
LOWER MANNVILLE B	158.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE C	239.0	0.08		19.1		19.1	12.1	7.0
BANFF A	311.0	0.05		15.6		15.6	11.3	4.3
BANFF B	255.0	0.15		38.3		38.3	26.4	11.9
BANFF D	43.0	0.05		2.2		2.2	0.4	1.8
BANFF E	57.6	0.05		2.9		2.9	0.2	2.7
FIELD TOTAL	1 181.6			86.4		86.4	58.7	27.7
CONNORSVILLE 025-15W4								
LOWER MANNVILLE C	27.3	<0.01		0.1		0.1	0.1	
FIELD TOTAL	27.3			0.1		0.1	0.1	
CONRAD 006-15W4								
ELLIS	2 540.0	<0.22		540.0		540.0	532.0	8.0
SAWTOOTH A	182.0	0.10		18.2		18.2	4.6	13.6
SAWTOOTH B	72.6	0.10		7.3		7.3	6.2	1.1
SAWTOOTH C	89.4	0.10		8.9		8.9	4.1	4.8
FIELD TOTAL	2 884.0			574.4		574.4	546.9	27.5
COUNTESS 021-16W4								
UPPER MANNVILLE B	4 049.0			605.0	940.0	1 545.0	1 313.3	231.7
TOTAL								
PRIMARY AREA	290.0	0.14		40.6		40.6		
WATER FLOOD AREA	3 759.0	0.15	0.25	564.0	940.0	1 504.0		
UPPER MANNVILLE D	12 500.0			1 260.0	5 166.0	6 426.0	6 144.5	281.5
TOTAL								
PRIMARY AREA	202.0	0.15		30.3		30.3		
WATER FLOOD AREA	12 300.0	0.10	0.42	1 230.0	5 166.0	6 396.0		
UPPER MANNVILLE F	1 812.0			170.0	509.0	679.0	627.7	51.3
TOTAL								
PRIMARY AREA	220.0	0.05		11.0		11.0		
WATER FLOOD AREA	1 592.0	0.10	0.32	159.0	509.0	668.0		

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
16	6.00	0.260	0.35	0.97	20	955	27	5 013	-34.4	650.5	1984	89 12 - GPP
16	3.05	0.300	0.24	0.97	13	947	27	5 165	-46.3	672.1	1978	79 01
16	5.50	0.290	0.24	0.96	12	958	33	4 071	-59.3	703.3	1985	86 05 - ABAND 92 03
74	4.00	0.280	0.29	0.97	9	935	28	4 235	-44.6	676.6	1988	89 03
16	2.80	0.120	0.57	0.96	13	985	31	4 543	-18.7	642.0	1969	92 10
32	6.40	0.220	0.28	0.99	15	960	25	4 873	-35.5	653.5	1985	88 10
634	6.30	0.160	0.36	0.87	53	911	45	11 018	-655.6	1 391.1	1969	90 07 - GPP
1 064	14.38	0.170	0.39	0.87	46	910	40	11 489	-692.9	1 464.5	1981	91 09 - GPP
32	3.78	0.196	0.45	0.87	50	904	45	9 172	-587.5	1 286.4	1984	85 12 - ABAND 86 01
32	11.54	0.110	0.40	0.89	44	935	50	11 301	-698.9	1 376.6	1981	86 12 - ABAND 90 12
65	4.88	0.170	0.25	0.85	69	887	50	11 393	-676.8	1 483.6	1969	74 12 - ABAND 73 08
16	13.50	0.130	0.19	0.97	10	926	33	8 919	-42.6	877.0	1985	92 06 - ABAND 91 09
16	4.50	0.250	0.24	0.98	10	958	27	9 856	-46.7	928.8	1987	87 01 - GPP
64	3.75	0.170	0.34	0.97	5	915	32	7 067	-52.4	938.1	1961	93 04 - GPP
1 414					5	915	32	9 961	-60.9	942.3	1960	89 12 - GPP
190	2.56	0.194	0.40	0.97								
1 224	2.54	0.194	0.40	0.97								
16	1.60	0.200	0.33	0.89	47	953	31	10 143	-81.3	962.2	1987	87 10 - GPP
32	2.80	0.230	0.37	0.92	35	934	32	6 254	-152.4	898.1	1978	79 10 - ABAND 89 08
16	5.00	0.280	0.25	0.94	27	959	28	7 303	-148.9	885.3	1980	83 12 - ABAND 81 05
64	2.14	0.320	0.42	0.94	25	960	28	6 411	-125.4	848.3	1984	87 12 - GPP
48	5.00	0.210	0.35	0.95	18	959	36	6 954	-138.6	848.8	1955	90 05 - GPP
32	4.13	0.290	0.30	0.95	21	937	28	7 775	-117.3	824.8	1984	93 12 - GPP
16	3.00	0.180	0.47	0.94	18	959	36	7 361	-137.0	842.0	1987	90 05 - GPP
16	4.60	0.130	0.36	0.94	18	959	36	7 386	-139.7	844.4	1988	90 05 - GPP
64	1.50	0.080	0.60	0.89	52	893	32	8 984	-329.2	990.8	1978	79 02 - ABAND 88 08
1 475	1.52	0.198	0.35	0.88	53	904	30	10 452	-5.4	926.0	1944	93 12 - GPP
96	2.22	0.180	0.46	0.88	52	890	27	9 604	-17.7	961.8	1986	90 03 - GPP
32	2.80	0.155	0.45	0.95	19	908	29	9 020	-43.8	976.3	1983	83 11 - GPP
32	2.00	0.210	0.30	0.95	18	921	36	10 094	-30.7	968.0	1980	81 08 - GPP
653					45	887	37	10 864	-313.0	1 088.3	1965	93 09
96	1.99	0.230	0.26	0.89								
557	4.05	0.240	0.22	0.89								- GPP
1 621					45	904	36	10 881	-263.9	1 055.5	1967	93 12
50	2.62	0.234	0.26	0.89								- GPP
1 571	4.58	0.240	0.20	0.89								- GPP
226					45	887	34	10 940	-278.8	1 077.3	1954	91 12 - GPP
64	2.51	0.220	0.30	0.89								
162	6.40	0.230	0.25	0.89								

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
COUNTRESS 021-16W4 (CONTINUED)								
UPPER MANNVILLE H WATER FLOOD	5 548.0	0.10	0.33	555.0	1 831.0	2 386.0	2 224.0	162.0
UPPER MANNVILLE J	687.0	0.15		103.0		103.0	76.7	26.3
UPPER MANNVILLE L	208.0	0.10		20.8		20.8	18.2	2.6
UPPER MANNVILLE M WATER FLOOD	556.0	0.15	0.15	83.4	83.4	167.0	149.6	17.4
UPPER MANNVILLE O WATER FLOOD	2 541.0	0.15	0.32	381.0	814.0	1 195.0	894.2	300.8
UPPER MANNVILLE T	50.4	<0.03		1.2		1.2	1.2	
UPPER MANNVILLE U	170.0	0.10		17.0		17.0	6.9	10.1
UPPER MANNVILLE Y	144.0	0.10		14.4		14.4	5.9	8.5
UPPER MANNVILLE HH	120.0	0.15		18.0		18.0	10.0	8.0
UPPER MANNVILLE JJ	17.7	0.10		1.8		1.8	1.4	0.4
UPPER MANNVILLE KK	133.0	0.05		6.7		6.7	4.4	2.3
UPPER MANNVILLE MM	301.0	0.10		30.1		30.1	10.7	19.4
UPPER MANNVILLE PP TOTAL	2 160.0			324.0	748.0	1 072.0	195.6	876.4
PRIMARY AREA	23.5	0.15		3.5		3.5		
WATER FLOOD AREA	2 136.0	0.15	0.35	320.0	748.0	1 068.0		
UPPER MANNVILLE UU WATER FLOOD	1 500.0	0.15	0.15	225.0	225.0	450.0	191.6	258.4
UPPER MANNVILLE VV	772.0	0.15		116.0		116.0	40.2	75.8
UPPER MANNVILLE YY WATER FLOOD	2 451.0	0.15	0.30	368.0	735.0	1 103.0	84.7	1 018.3
UPPER MANNVILLE ZZ	26.8	0.10		2.7		2.7	0.4	2.3
UPPER MANNVILLE AAA	89.7	0.10		9.0		9.0	0.3	8.7
UPPER MANNVILLE BBB WATER FLOOD	152.0	0.15	0.25	22.8	38.0	60.8	16.4	44.4
UPPER MANNVILLE EEE WATER FLOOD	177.0	0.15	0.25	26.6	44.3	70.9	15.5	55.4
UPPER MANNVILLE HHH WATER FLOOD	188.0	0.15	0.15	28.2	28.2	56.4	18.8	37.6
UPPER MANNVILLE III	718.0	0.15		108.0		108.0		108.0
LOWER MANNVILLE A	208.0	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE C	321.0	<0.01		0.6		0.6	0.6	
LOWER MANNVILLE F	134.0	0.08		10.7		10.7	6.9	3.8
LOWER MANNVILLE G	251.0	0.05		12.6		12.6	7.0	5.6
LOWER MANNVILLE H	196.0	0.02		3.9		3.9	0.8	3.1
LOWER MANNVILLE I	61.7	<0.01		0.1		0.1		0.1
LOWER MANNVILLE J	105.0	<0.01		0.3		0.3	0.3	
LOWER MANNVILLE K	87.0	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE L	257.0	0.02		5.1		5.1	0.7	4.4
LOWER MANNVILLE N	124.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE O	32.8	<0.02		0.6		0.6	0.6	
LOWER MANNVILLE P	117.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE Q	218.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE S WATER FLOOD	311.0	0.10	0.25	31.1	77.8	109.0	11.0	98.0
LOWER MANNVILLE T	97.7	0.10		9.8		9.8	0.9	8.9
LOWER MANNVILLE U	69.4	0.08		5.6		5.6	0.1	5.5
LOWER MANNVILLE V	206.0	0.10		20.6		20.6	7.1	13.5
OSTRACOD D	130.0	0.15		19.5		19.5	14.1	5.4
OSTRACOD E & BASAL QUARTZ B	144.0	0.05		7.2		7.2	6.9	0.3
BASAL QUARTZ D	73.0	0.05		3.7		3.7	0.3	3.4
BASAL QUARTZ F	21.0	<0.01		0.1		0.1	0.1	
PEKISKO B	66.6	<0.01		0.1		0.1	0.1	
PEKISKO C	88.1	<0.01		0.1		0.1	0.1	
FIELD TOTAL	40 390.9			4 630.3	11 239.7	15 870.3	12 110.7	3 759.6
DEER 025-07W4								
ELLERSLIE A	73.7	0.15		11.1		11.1	0.6	10.5
FIELD TOTAL	73.7			11.1		11.1	0.6	10.5
DINA 045-01W4								
SPARKY	863.0	0.11		94.9		94.9	87.0	7.9
SPARKY B	134.0	0.05		6.7		6.7	5.7	1.0
SPARKY C	83.4	<0.01		0.1		0.1	0.1	

HEAVY CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
679	5.35	0.220	0.22	0.89	50	898	32	11 160	-299.3	1 071.7	1968	92 12 - GPP
208	2.41	0.220	0.30	0.89	44	887	33	11 013	-301.3	1 072.1	1969	91 12 - GPP
65	2.29	0.207	0.24	0.89	45	881	39	10 791	-312.1	1 082.1	1971	72 08 - GPP
32	14.16	0.230	0.38	0.86	59	892	38	11 231	-301.1	1 080.6	1972	78 06 - GPP
170	8.15	0.260	0.17	0.85	51	915	36	10 759	-270.6	1 065.0	1973	77 12 - GPP
65	0.91	0.150	0.34	0.86	60	892	32	10 318	-260.5	1 049.0	1977	78 12
32	4.00	0.230	0.35	0.89	41	890	33	9 809	-287.6	1 079.5	1978	79 02 - GPP
64	3.50	0.120	0.40	0.89	40	861	36	9 852	-316.9	1 056.0	1980	81 09 - GPP
50	1.50	0.230	0.22	0.89	43	887	37	11 146	-326.8	1 108.3	1983	87 12 - GPP
16	1.50	0.160	0.48	0.89	47	900	35	9 486	-288.2	1 077.3	1984	85 03
32	5.00	0.170	0.43	0.86	55	855	38	9 441	-412.2	1 216.3	1985	89 12 - GPP
64	3.40	0.210	0.26	0.89	45	823	32	10 916	-302.9	1 074.1	1986	86 10 - GPP
307					45	887	37	11 517	-332.8	1 135.0	1984	91 11
16	1.00	0.220	0.25	0.89								- GPP
291	4.43	0.230	0.19	0.89								- GPP
175	5.82	0.226	0.26	0.88	56	880	32	15 081	-301.1	1 075.4	1989	91 10 - GPP
116	4.56	0.210	0.21	0.88	56	880	32	11 709	-310.0	1 082.7	1989	93 01
252	5.32	0.260	0.21	0.89	60	879	35	10 930	-258.1	1 032.3	1990	93 11 - GPP
16	2.00	0.150	0.38	0.90	44	895	32	10 795	-267.0	1 054.5	1979	91 05
16	8.40	0.150	0.50	0.89	45	887	37	10 418	-269.0	1 041.5	1990	91 09 - GPP
43	2.73	0.230	0.36	0.88	45	887	37	10 857	-332.3	1 124.4	1990	93 02 - GPP
37	3.32	0.230	0.29	0.88	45	887	37	10 215	-323.9	1 110.5	1991	93 02 - GPP
79	1.50	0.220	0.19	0.89	45	904	36		-296.1	1 075.3	1990	93 12 - GPP
85	5.42	0.240	0.27	0.89	51	886	28	10 873	-254.5	1 029.0	1992	93 11
32	5.79	0.250	0.50	0.90	41	898	34	11 566	-324.2	1 105.7	1968	73 12 - ABAND 72 11
65	2.74	0.270	0.25	0.89	42	915	38	10 897	-358.6	1 138.9	1974	83 12 - ABAND 77 01
32	4.30	0.190	0.42	0.89	48	892	34	11 159	-352.0	1 130.8	1973	85 12 - GPP
64	4.00	0.160	0.28	0.85	66	864	34	10 893	-379.0	1 113.9	1979	80 01 - GPP
64	5.00	0.160	0.55	0.85	75	869	36	10 731	-486.5	1 347.5	1980	84 05 - GPP
64	1.80	0.140	0.55	0.85	53	855	41	10 345	-473.0	1 334.9	1980	88 12
32	3.60	0.170	0.40	0.89	38	910	37	11 285	-326.4	1 096.5	1981	82 09 - ABAND 83 03
64	2.00	0.160	0.50	0.85	58	865	40	10 889	-482.9	1 362.2	1981	83 10
64	7.50	0.140	0.55	0.85	76	869	36	10 366	-479.2	1 357.5	1981	84 05 - GPP
32	3.30	0.220	0.40	0.89	46	910	36	10 880	-334.3	1 108.7	1983	92 09 - ABAND 84 05
16	2.56	0.150	0.40	0.89	37	862	35	10 779	-315.2	1 085.2	1984	91 12
32	3.80	0.180	0.40	0.89	44	900	34	10 480	-303.3	1 102.6	1979	85 03
64	4.70	0.165	0.50	0.88	47	898	38	10 273	-456.3	1 286.5	1984	85 06 - ABAND 86 08
45	5.24	0.210	0.31	0.91	83	839	45	11 865	-356.6	1 160.0	1989	93 07 - GPP
16	6.80	0.200	0.49	0.88	43	892	38	11 051	-334.8	1 105.8	1989	90 05 - GPP
16	3.20	0.280	0.45	0.88	43	892	38	11 160	-352.2	1 148.6	1990	90 11 - GPP
32	4.20	0.260	0.36	0.92	33	918	34	10 068	-420.6	1 181.7	1990	91 03
85	1.50	0.200	0.42	0.88	48	887	38	9 994	-427.5	1 249.2	1985	93 12 - GPP
64	2.38	0.174	0.36	0.85	47	887	37	10 180	-452.2	1 302.3	1958	88 09 - GPP
16	7.60	0.150	0.50	0.80	40	905	35	10 327	-481.3	1 387.8	1959	93 05 - GPP
32	1.30	0.175	0.68	0.90	40	905	35	11 099	-273.6	1 047.8	1984	84 12
64	4.50	0.040	0.35	0.89	43	864	38	10 394	-412.3	1 174.3	1980	85 12
64	3.60	0.060	0.25	0.85	64	875	39	10 565	-493.1	1 363.7	1981	84 12
16	4.90	0.180	0.42	0.90	35	955	37	9 192	-182.6	915.1	1989	93 05
226	2.06	0.290	0.32	0.94	13	972	25	4 421	25.2	554.7	1947	93 12 - GPP
32	2.79	0.290	0.46	0.96	10	961	28	4 294	35.0	545.1	1985	86 09 - GPP
32	1.50	0.280	0.36	0.97	13	913	24	4 205	34.4	568.8	1988	92 10 - ABAND 91 11

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
DINA 045-01W4 (CONTINUED) FIELD TOTAL	1 080.4			101.7		101.7	92.8	8.9
DOLCY 041-04W4 LLOYDMINSTER A	156.0	0.10		15.6		15.6	2.1	13.5
FIELD TOTAL	156.0			15.6		15.6	2.1	13.5
EDGERTON 045-04W4 COLONY G	73.1	0.05		3.7		3.7	1.4	2.3
SPARKY A	95.2	0.05		4.8		4.8	1.9	2.9
SPARKY B	15.1	<0.03		0.4		0.4	0.4	
GENERAL PETROLEUM A	325.0	<0.01		0.1		0.1	0.1	
LLOYDMINSTER A	151.0	<0.04		6.0		6.0	6.0	
LLOYDMINSTER B	200.0	<0.01		0.7		0.7	0.7	
LLOYDMINSTER C	53.1	<0.02		0.6		0.6	0.6	
LLOYDMINSTER D	55.6	<0.01		0.1		0.1	0.1	
LLOYDMINSTER E	131.0	<0.09		11.0		11.0	10.4	0.6
LLOYDMINSTER F	209.0	0.10		20.9		20.9	10.7	10.2
LLOYDMINSTER G	132.0	0.08		10.6		10.6	6.7	3.9
LLOYDMINSTER H	83.9	0.10		8.4		8.4	7.7	0.7
D-2 D	1 658.0	0.08		133.0		133.0	85.5	47.5
D-2 A & CAMROSE A	909.0	0.10		90.9		90.9	35.0	55.9
WOODBEND A	1 143.0	0.10		114.0		114.0	3.4	110.6
FIELD TOTAL	5 234.0			405.2		405.2	170.6	234.6
ENCHANT 014-16W4 UPPER MANNVILLE B	217.0	0.07		15.2		15.2	13.1	2.1
UPPER MANNVILLE D	107.0	<0.03		2.6		2.6	2.6	
UPPER MANNVILLE H	40.6	<0.10		3.8		3.8	3.8	
UPPER MANNVILLE I	112.0	0.06		6.7		6.7	4.1	2.6
UPPER MANNVILLE K	214.0	<0.02		2.7		2.7	2.7	
UPPER MANNVILLE M	50.7	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE S	131.0	0.10		13.1		13.1	9.3	3.8
UPPER MANNVILLE T	26.7	0.10		2.7		2.7	0.1	2.6
UPPER MANNVILLE AA	121.0	0.10		12.1		12.1	1.7	10.4
UPPER MANNVILLE BB	326.0	0.10		32.6		32.6	7.7	24.9
LOWER MANNVILLE B	332.0	<0.01		1.2		1.2	1.2	
LOWER MANNVILLE E	122.0	0.10		12.2		12.2	0.4	11.8
LOWER MANNVILLE I	206.0	0.05		10.3		10.3	4.6	5.7
SUNBURST A	189.0	<0.01		1.8		1.8	1.8	
SUNBURST B	94.6	0.10		9.5		9.5	2.5	7.0
SUNBURST C	74.8	0.10		7.5		7.5	2.8	4.7
SUNBURST D	165.0	0.10		16.5		16.5	0.2	16.3
SUNBURST E	5.1	<0.02		0.1		0.1	0.1	
SUNBURST F	20.2	0.20		4.0		4.0	0.4	3.6
ELLIS A	243.0	<0.03		5.6		5.6	5.6	
ELLIS B	223.0	0.20		44.6		44.6	29.8	14.8
ELLIS C	908.0	0.35		318.0		318.0	283.9	34.1
ELLIS D	1 690.0	0.25		423.0		423.0	342.6	80.4
ELLIS E	66.6	0.10		6.7		6.7	1.2	5.5
ELLIS F	355.0	0.10		35.5		35.5	28.6	6.9
ELLIS G	150.0	0.10		15.0		15.0	5.8	9.2
ELLIS I	571.0	0.35		200.0		200.0	89.0	111.0
ELLIS J	87.6	0.25		21.9		21.9	5.1	16.8
ELLIS K	292.0	0.25		73.0		73.0	45.4	27.6
ELLIS L	2 599.0	0.30		780.0		780.0	336.5	443.5
ELLIS N	37.6	<0.02		0.5		0.5	0.5	
ELLIS P	33.7	0.30		10.1		10.1	0.1	10.0
ELLIS Q	301.0	0.25		75.3		75.3	15.1	60.2
ELLIS R	11.1	0.30		3.3		3.3	2.1	1.2
ELLIS S	100.0	0.25		25.0		25.0	7.7	17.3
ELLIS T	28.0	0.30		8.4		8.4	4.2	4.2
FIELD TOTAL *	10 251.3			2 200.7		2 200.7	1 262.5	938.2
ENTWISTLE 054-06W5 BANFF A	219.0	0.05		11.0		11.0	0.4	10.6
FIELD TOTAL	219.0			11.0		11.0	0.4	10.6

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
32	2.27	0.290	0.23	0.96	10	918	31		-84.1	825.8	1992	93 03 - GPP
16	2.90	0.250	0.35	0.97	13	938	25	4 149	57.6	644.0	1979	82 06
16	8.00	0.200	0.60	0.93	27	855	29	3 539	11.8	648.0	1984	85 03 - GPP
16	1.00	0.280	0.65	0.96	12	955	25	4 314	16.5	637.5	1980	86 01 - ABAND 88 08
64	4.20	0.260	0.50	0.93	27	855	29	4 869	11.6	640.2	1984	85 05 - ABAND 87 10
16	5.18	0.240	0.21	0.96	12	940	25	4 178	4.2	685.3	1975	78 12
16	4.90	0.330	0.20	0.96	12	934	25	4 357	4.6	674.6	1977	93 12
16	2.00	0.270	0.36	0.96	14	959	33	4 407	-2.3	655.2	1980	80 07 - GPP
16	2.00	0.270	0.33	0.96	12	951	25	4 808	-5.0	686.5	1980	84 12
32	1.80	0.300	0.21	0.96	12	946	25	4 406	1.7	703.9	1979	93 12 - GPP
32	2.60	0.350	0.26	0.97	12	965	28	4 177	6.8	667.7	1985	93 12 - GPP
16	3.70	0.310	0.25	0.96	17	959	28	3 873	-12.2	662.7	1980	93 12 - GPP
16	2.47	0.280	0.21	0.96	16	946	28	4 319	-1.5	673.3	1976	77 12 - GPP
250	6.35	0.170	0.36	0.96	17	959	25	4 265	7.3	640.5	1983	91 12 - GPP
110	7.79	0.170	0.35	0.96	17	959	25	4 613	3.1	653.4	1984	87 08 - GPP
128	6.30	0.210	0.25	0.90	45	954	25		-18.5	703.8	1993	93 12
64	2.65	0.240	0.40	0.89	48	915	30	11 288	-201.3	964.2	1966	93 12 - GPP
64	1.52	0.200	0.38	0.89	56	915	27	10 736	-220.3	983.8	1968	92 11 - ABAND 93 05
16	3.10	0.140	0.35	0.90	46	919	23	11 567	-241.5	1 014.2	1973	92 10
65	1.83	0.180	0.38	0.85	62	855	24	10 961	-212.8	1 015.3	1977	86 12 - GPP
16	11.30	0.190	0.30	0.89	44	891	33	11 891	-244.9	1 044.7	1982	92 11 - ABAND 89 07
16	2.50	0.210	0.33	0.90	35	931	60	9 938	-253.5	1 041.5	1981	83 02 - ABAND 86 09
32	4.00	0.140	0.19	0.90	42	913	33	11 283	-241.3	1 001.7	1987	88 06
16	1.70	0.180	0.38	0.88	57	927	34	12 459	-295.6	1 090.0	1988	88 08
64	2.30	0.160	0.41	0.87	60	868	32	10 765	-256.4	1 024.5	1990	91 09
64	6.13	0.150	0.34	0.84	72	890	31	10 832	-232.2	1 008.5	1991	92 06 - GPP
65	4.57	0.220	0.40	0.85	53	855	38	11 574	-270.2	1 040.7	1968	69 06 - ABAND 69 09
32	3.00	0.220	0.35	0.89	15	922	24	12 154	-290.6	1 085.2	1978	88 07
16	10.00	0.210	0.28	0.85	67	875	32	11 241	-274.4	1 023.3	1988	89 09
65	3.96	0.150	0.40	0.82	82	855	38	11 292	-230.3	1 032.5	1976	84 12
16	6.00	0.170	0.39	0.95	18	934	33	10 833	-230.6	1 018.0	1987	89 05 - GPP
58	1.43	0.190	0.50	0.95	20	875	32	10 874	-218.3	1 006.5	1989	90 11
64	4.00	0.170	0.60	0.95	20	897	32		-226.4	1 021.8	1991	92 05
16	0.60	0.160	0.60	0.83	46	941	22		-198.7	995.6	1992	93 10 - ABAND 93 04
16	1.20	0.180	0.37	0.93	22	895	32	9 533	-194.3	982.5	1992	92 12 - GPP
64	3.00	0.240	0.40	0.88	15	880	30	11 347	-222.2	1 028.1	1953	89 12 - GPP
96	2.58	0.220	0.53	0.87	53	934	28	10 909	-201.2	989.9	1983	91 12 - GPP
181	3.10	0.240	0.29	0.95	15	875	34	11 169	-201.0	996.6	1981	92 02 - GPP
545	2.44	0.220	0.32	0.85	67	875	32	11 236	-206.1	993.1	1981	88 12 - GPP
16	3.00	0.240	0.32	0.85	74	880	35	10 951	-213.1	1 007.7	1987	92 03 - GPP
101	2.68	0.260	0.42	0.87	53	876	28	10 630	-183.3	974.2	1989	91 06 - GPP
32	2.90	0.270	0.37	0.95	18	931	33	11 064	-224.9	1 012.6	1989	90 11 - GPP
150	3.07	0.250	0.43	0.87	53	875	28	10 674	-180.4	955.0	1990	92 12 - GPP
32	1.90	0.230	0.28	0.87	53	875	28	10 314	-207.1	1 005.8	1990	91 03 - GPP
76	2.05	0.260	0.24	0.95	14	875	34	10 097	-178.5	965.7	1991	92 02 - GPP
348	4.20	0.240	0.22	0.95	14	905	34	10 259	-180.8	966.6	1991	93 01
16	1.90	0.210	0.38	0.95	18	931	33	10 162	-184.8	965.3	1991	92 11 - ABAND 92 09
16	1.40	0.270	0.36	0.87	53	877	28	10 522	-181.0	953.0	1991	92 05 - GPP
80	2.21	0.280	0.30	0.87	53	875	28	10 212	-207.6	996.7	1992	92 11
16	1.00	0.160	0.50	0.87	53	868	28		-206.1	993.1	1992	93 12 - GPP
16	3.60	0.280	0.30	0.89	44	866	31		-178.9	962.2	1992	93 04 - GPP
16	1.80	0.210	0.48	0.89	44	866	31	9 709	-177.3	959.3	1992	93 04 - GPP
16	11.80	0.180	0.26	0.87	34	845	42	13 039	-781.8	1 553.3	1989	90 09

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
ESTHER 032-02W4								
UPPER MANNVILLE B	1 477.0	0.10		148.0		148.0	117.5	30.5
UPPER MANNVILLE F	88.0	0.10		8.8		8.8	3.9	4.9
UPPER MANNVILLE I	200.0	0.12		24.0		24.0	19.1	4.9
UPPER MANNVILLE J	68.4	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE K	71.9	0.05		3.6		3.6	2.6	1.0
UPPER MANNVILLE L	180.0	0.20		36.0		36.0	29.9	6.1
BANFF G	59.1	0.15		8.9		8.9	8.5	0.4
BANFF H	30.8	0.05		1.5		1.5	1.3	0.2
BAKKEN A	57.9	<0.01		0.2		0.2	0.2	
BAKKEN B	54.0	0.10		5.4		5.4	0.2	5.2
FIELD TOTAL *	2 287.1			236.5		236.5	183.3	53.2
EYREMORE 018-18W4								
LOWER MANNVILLE A	331.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL	331.0			0.1		0.1	0.1	
FERGUSON 003-17W4								
LOWER MANNVILLE A	373.0	0.05		18.7		18.7	6.3	12.4
FIELD TOTAL	373.0			18.7		18.7	6.3	12.4
FINCASTLE 009-15W4								
TABER A	105.0	0.10		10.5		10.5	6.9	3.6
TABER B	37.9	0.10		3.8		3.8	2.0	1.8
FIELD TOTAL	142.9			14.3		14.3	8.9	5.4
GILBY 041-03W5								
RUNDLE K	627.0	0.02		12.6		12.6	10.5	2.1
FIELD TOTAL *	627.0			12.6		12.6	10.5	2.1
GLADYS 020-27W4								
RUNDLE D	366.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL *	366.0			0.1		0.1	0.1	
GLENEVIS 055-04W5								
BANFF	3 626.0	<0.47		1 700.0		1 700.0	1 584.7	115.3
FIELD TOTAL	3 626.0			1 700.0		1 700.0	1 584.7	115.3
GRAINDALE 026-02W4								
LOWER MANNVILLE C	83.0	<0.01		0.8		0.8	0.8	
LOWER MANNVILLE D	83.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL	166.0			0.9		0.9	0.9	
GRAND FORKS 011-13W4								
UPPER MANNVILLE B	2 971.0			446.0	797.0	1 243.0	1 146.6	96.4
TOTAL								
PRIMARY AREA	21.2	0.15		3.2		3.2		
WATER FLOOD AREA	2 950.0	0.15	0.27	443.0	797.0	1 240.0		
UPPER MANNVILLE E	113.0	0.20		22.6		22.6	14.5	8.1
LOWER MANNVILLE D	16 210.0			1 919.0	4 371.0	6 290.0	5 651.6	638.4
TOTAL								
PRIMARY AREA	603.0	0.10		60.3		60.3		
WATER FLOOD AREA	15 610.0	<0.12	0.28	1 859.0	4 371.0	6 230.0		
LOWER MANNVILLE H	557.0			167.0	26.2	193.0	163.6	29.4
TOTAL								
PRIMARY AREA	33.3	0.30		10.0		10.0		
WATER FLOOD AREA	524.0	0.30	0.05	157.0	26.2	183.0		
LOWER MANNVILLE X	148.0	0.05		7.4		7.4	1.8	5.6
LOWER MANNVILLE Y	80.2	<0.05		3.3		3.3	3.3	
LOWER MANNVILLE CC	24.6	0.10		2.5		2.5	0.6	1.9
LOWER MANNVILLE EE	35.6	<0.03		1.0		1.0	1.0	
LOWER MANNVILLE NN	45.1	<0.02		0.7		0.7	0.7	
LOWER MANNVILLE QQ	56.9	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE RR	198.0	0.05		9.9		9.9	2.4	7.5
LOWER MANNVILLE SS	56.6	0.10		5.7		5.7	2.0	3.7

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
384	2.16	0.250	0.25	0.95	24	959	29	7 408	-46.4	720.2	1968	90 12 - GPP
32	2.70	0.170	0.37	0.95	22	950	25	7 193	-54.2	761.5	1979	83 12 - GPP
80	1.96	0.200	0.33	0.95	20	955	29	7 193	-57.5	732.3	1984	93 12 - GPP
16	3.00	0.300	0.50	0.95	21	929	27	8 059	-104.6	811.8	1984	85 08 - ABAND 92 09
32	1.20	0.270	0.27	0.95	40	957	27	6 612	-56.8	735.5	1972	86 03 -
22	4.50	0.320	0.40	0.95	20	948	30	7 504	-95.6	793.9	1969	88 12 - GPP
16	2.70	0.240	0.40	0.95	21	946	29	7 503	-110.8	826.9	1984	87 12 - GPP
16	2.30	0.160	0.45	0.95	21	959	26	7 634	-124.1	812.1	1982	85 04 - GPP
16	3.20	0.170	0.30	0.95	30	973	29	7 202	-106.9	790.0	1984	88 12 -
16	1.92	0.250	0.26	0.95	20	973	29		-141.8	847.9	1988	93 01 - GPP
64	5.20	0.180	0.35	0.85	67	881	33	9 973	-348.0	1 152.9	1978	82 12 - ABAND 79 10
64	7.15	0.150	0.44	0.97	10	935	30	6 434	150.0	908.7	1969	83 05 - GPP
32	2.77	0.210	0.40	0.94	28	934	30	10 350	-99.9	978.3	1977	77 04 - GPP
32	1.50	0.140	0.40	0.94	18	925	35	4 889	-102.4	979.3	1979	79 10 - GPP
65	19.14	0.075	0.17	0.81	66	915	69	15 533	-1 087.3	2 061.4	1971	75 12
32	25.50	0.120	0.55	0.83	74	948	54	18 648	-961.0	2 035.6	1979	82 12 - ABAND 82 02
537	10.49	0.113	0.36	0.89	43	934	43	10 788	-586.2	1 327.3	1951	93 12 - GPP
16	4.00	0.210	0.35	0.95	21	975	30	9 123	-192.3	936.6	1980	81 01 - ABAND 89 08
16	4.20	0.200	0.35	0.95	25	990	33	8 510	-195.5	967.7	1980	81 04
283					17	887	34	10 769	-149.5	928.0	1971	88 04
16	1.10	0.190	0.34	0.96								- GPP
267	5.84	0.270	0.27	0.96								- GPP
122	1.31	0.150	0.51	0.96	18	886	34	10 410	-140.8	906.9	1983	92 07 - GPP
929					30	881	31	10 710	-144.8	895.6	1968	93 12 - GPP
64	5.00	0.270	0.28	0.97								-
865	9.92	0.250	0.25	0.97								-
102					21	934	32	10 725	-159.1	949.4	1971	93 02
16	2.00	0.190	0.43	0.96								-
86	3.17	0.260	0.23	0.96								- GPP
16	5.20	0.240	0.23	0.96	16	933	33	10 386	-125.1	901.0	1981	82 12 -
32	1.23	0.300	0.30	0.97	9	952	34	10 610	-156.9	929.6	1972	77 12 - ABAND 91 05
32	1.50	0.120	0.55	0.95	18	888	34	8 613	-143.4	912.4	1981	82 12
32	1.20	0.150	0.35	0.95	16	886	31	10 609	-142.1	867.8	1982	88 12
32	1.70	0.150	0.43	0.97	11	904	28	11 762	-156.7	869.4	1984	89 12 - ABAND 90 11
32	2.00	0.180	0.48	0.95	16	887	31	9 361	-158.7	876.0	1988	88 08 - ABAND 88 09
32	5.00	0.210	0.38	0.95	14	905	34	10 084	-142.8	922.0	1988	89 03 - GPP
32	1.80	0.190	0.45	0.94	25	886	33	8 740	-159.2	920.2	1991	91 12 - GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
GRAND FORKS 011-13W4 (CONTINUED)								
LOWER MANNVILLE VV	17.1	0.15		2.6		2.6	1.6	1.0
LOWER MANN K & V	4 497.0	0.15	0.34	675.0	1 570.0	2 245.0	2 092.1	152.9
WATER FLOOD								
LOWER MANNVILLE M&N	1 055.0	0.17		179.0		179.0	150.1	28.9
SAWTOOTH A	1 013.0	0.20		203.0		203.0	175.0	28.0
SAWTOOTH B	580.0	0.10		58.0		58.0	34.6	23.4
SAWTOOTH C	435.0	0.15		65.3		65.3	46.0	19.3
SAWTOOTH D	1 727.0	0.30		518.0		518.0	327.8	190.2
SAWTOOTH F	123.0	0.25		30.8		30.8	27.1	3.7
SAWTOOTH G	33.6	0.10		3.4		3.4	1.9	1.5
SAWTOOTH H	71.3	<0.10		7.0		7.0	7.0	
SAWTOOTH I	691.0	0.12		82.9		82.9	70.5	12.4
SAWTOOTH J	448.0	0.25		112.0		112.0	45.4	66.6
SAWTOOTH K	32.4	<0.01		0.3		0.3	0.3	
SAWTOOTH L	1 940.0	0.40		776.0		776.0	534.5	241.5
SAWTOOTH N	1 670.0	0.25		418.0		418.0	363.6	54.4
SAWTOOTH O	4 429.0	0.40		1 772.0		1 772.0	1 334.7	437.3
SAWTOOTH Q	1 654.0	0.15		248.0		248.0	185.5	62.5
SAWTOOTH S	1 400.0	0.35		490.0		490.0	432.9	57.1
SAWTOOTH T	2 150.0	0.30		645.0		645.0	587.6	57.4
SAWTOOTH U	463.0	0.30		139.0		139.0	71.0	68.0
SAWTOOTH V	691.0	0.20		138.0		138.0	87.3	50.7
SAWTOOTH W	924.0	0.15		139.0		139.0	101.8	37.2
SAWTOOTH X	285.0	0.15		42.8		42.8	18.1	24.7
SAWTOOTH Y	211.0	0.11		23.2		23.2	20.2	3.0
SAWTOOTH Z	61.3	<0.03		1.5		1.5	1.5	
SAWTOOTH AA	56.6	0.10		5.7		5.7	1.5	4.2
SAWTOOTH CC	172.0	0.30		51.6		51.6	40.2	11.4
SAWTOOTH EE	314.0	0.25		78.5		78.5	58.8	19.7
SAWTOOTH FF	31.3	<0.01		0.1		0.1	0.1	
SAWTOOTH II	1 173.0	0.20		235.0		235.0	131.0	104.0
SAWTOOTH JJ	220.0	<0.01		1.0		1.0	1.0	
SAWTOOTH KK	283.0	0.10		28.3		28.3	19.0	9.3
SAWTOOTH LL	676.0	0.15		101.0		101.0	98.5	2.5
SAWTOOTH MM	4 351.0	0.30	0.20	1 305.0	870.0	2 175.0	1 925.3	249.7
WATER FLOOD								
SAWTOOTH NN TOTAL	843.0			259.0	41.7	301.0	262.9	38.1
PRIMARY AREA	148.0	0.34		50.3		50.3		
WATER FLOOD AREA	695.0	0.30	0.06	209.0	41.7	251.0		
SAWTOOTH OO TOTAL	2 692.0			424.0	729.0	1 153.0	1 028.7	124.3
PRIMARY AREA	400.0	0.20		80.0		80.0		
WATER FLOOD AREA	2 292.0	0.15	0.31	344.0	729.0	1 073.0		
SAWTOOTH PP	300.0	0.05		15.0		15.0	8.7	6.3
SAWTOOTH QQ	32.0	0.10		3.2		3.2	1.7	1.5
SAWTOOTH RR	98.1	<0.02		1.9		1.9	1.9	
SAWTOOTH SS	2 048.0	0.30		614.0		614.0	549.2	64.8
SAWTOOTH VV	761.0	0.35		266.0		266.0	200.7	65.3
SAWTOOTH WW TOTAL	3 812.0			729.0	1 444.0	2 173.0	1 838.5	334.5
PRIMARY AREA	202.0	<0.04		6.9		6.9		
WATER FLOOD AREA	3 610.0	0.20	0.40	722.0	1 444.0	2 166.0		
SAWTOOTH XX	54.7	<0.01		0.1		0.1	0.1	
SAWTOOTH ZZ	534.0	0.30		160.0		160.0	116.1	43.9
SAWTOOTH AAA	197.0	0.10		19.7		19.7	2.0	17.7
SAWTOOTH BBB	34.7	0.15		5.2		5.2	0.2	5.0
SAWTOOTH CCC	688.0	0.15		103.0		103.0	63.5	39.5
SAWTOOTH DDD	245.0	<0.22		52.5		52.5	48.5	4.0
SAWTOOTH EEE	332.0	0.10		33.2		33.2	21.9	11.3
SAWTOOTH FFF	43.8	<0.01		0.4		0.4	0.4	
SAWTOOTH HHH	240.0	0.10		24.0		24.0	15.9	8.1
SAWTOOTH III	392.0	0.10		39.2		39.2	5.5	33.7
SAWTOOTH LLL	276.0	0.10		27.6		27.6	13.5	14.1
SAWTOOTH MMM	115.0	0.10		11.5		11.5	0.2	11.3
SAWTOOTH NNN	145.0	0.10		14.5		14.5	6.5	8.0
SAWTOOTH PPP	466.0	0.30		140.0		140.0	82.4	57.6
SAWTOOTH QQQ	124.0	0.25		31.0		31.0	22.0	9.0
SAWTOOTH RRR	157.0	<0.01		0.3		0.3	0.3	
SAWTOOTH SSS TOTAL	418.0			159.0	5.2	164.0	135.8	28.2
PRIMARY AREA	158.0	0.38		60.0		60.0		
WATER FLOOD AREA	260.0	0.38	0.02	98.8	5.2	104.0		
SAWTOOTH TTT	185.0	0.20		37.0		37.0	15.0	22.0
SAWTOOTH UUU	28.6	<0.01		0.1		0.1	0.1	

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
16	1.00	0.190	0.40	0.94	21	886	33		-132.1	887.3	1987	93 07
384	5.87	0.250	0.16	0.95	18	892	32	11 391	-145.7	908.2	1973	85 09 - GPP
102	6.43	0.242	0.30	0.95	21	921	33	10 885	-136.2	899.6	1973	93 12 - GPP
202	3.99	0.210	0.37	0.95	18	892	42	10 775	-149.4	874.2	1965	88 12 - GPP
220	2.53	0.180	0.39	0.95	18	909	42	10 847	-155.4	934.3	1978	86 05 - GPP
48	5.70	0.250	0.33	0.95	20	922	30	10 463	-154.1	897.8	1980	89 12 - GPP
250	6.20	0.230	0.49	0.95	20	912	31	10 545	-145.0	917.7	1980	88 12 - GPP
89	1.72	0.160	0.47	0.95	18	903	42	10 919	-153.7	914.8	1979	93 12 - GPP
32	0.90	0.150	0.18	0.95	18	931	42	10 655	-150.2	933.2	1980	83 12 - GPP
64	1.00	0.170	0.31	0.95	20	904	37	10 657	-155.2	953.5	1978	88 12 - ABAND 91 11
128	3.20	0.240	0.26	0.95	18	892	42	10 223	-154.7	908.4	1958	93 12 - GPP
138	2.54	0.240	0.44	0.95	19	891	32	10 603	-144.1	885.0	1979	89 10 - GPP
16	2.81	0.217	0.65	0.95	20	900	33	10 362	-129.2	923.9	1983	89 12 - GPP
300	5.34	0.230	0.44	0.94	22	910	32	10 598	-149.6	868.1	1978	90 11 - GPP
107	9.43	0.260	0.33	0.95	18	907	34	10 577	-168.9	917.1	1984	88 11 - GPP
600	5.63	0.230	0.40	0.95	21	887	33	10 949	-155.6	908.7	1966	93 12 - GPP
260	4.00	0.270	0.38	0.95	16	921	31	10 578	-138.5	936.6	1975	91 11 - GPP
222	4.29	0.230	0.32	0.94	21	886	33	10 682	-144.8	893.0	1965	91 12 - GPP
219	5.98	0.240	0.28	0.95	21	886	33	10 401	-144.0	880.9	1979	86 12 - GPP
140	2.68	0.250	0.48	0.95	15	905	34	10 281	-136.9	899.9	1973	93 02 - GPP
107	4.25	0.250	0.36	0.95	15	905	34	10 350	-134.7	920.8	1953	92 02 - GPP
112	6.20	0.240	0.41	0.94	25	910	32	10 607	-152.9	870.7	1980	93 12 - GPP
32	7.80	0.240	0.50	0.95	20	920	30	10 311	-168.6	915.3	1985	86 02 - GPP
32	4.20	0.220	0.25	0.95	14	900	34	10 184	-159.6	906.7	1985	93 12 - GPP
32	2.10	0.190	0.50	0.96	16	906	47	10 362	-153.1	938.4	1985	91 12 - ABAND 91 10
64	1.21	0.160	0.52	0.95	20	911	30	10 170	-151.6	940.1	1985	89 05 - GPP
48	2.50	0.275	0.45	0.95	15	905	34	10 220	-132.9	906.3	1985	91 12 - GPP
48	5.54	0.230	0.46	0.95	19	899	33	10 139	-130.4	929.4	1986	91 12 - GPP
16	1.22	0.260	0.35	0.95	19	887	34	10 498	-162.5	943.1	1974	83 12 - ABAND 91 06
48	14.70	0.250	0.30	0.95	18	904	33	9 882	-166.3	913.7	1986	89 06 - GPP
64	4.90	0.180	0.59	0.95	15	922	34	9 534	-158.7	900.7	1986	92 10 - GPP
108	2.32	0.200	0.40	0.94	24	911	30	10 887	-148.8	914.1	1965	88 05 - GPP
57	7.47	0.260	0.35	0.94	20	904	33	10 879	-147.6	903.3	1965	80 12 - GPP
1 125	2.27	0.250	0.29	0.96	18	887	31	10 866	-145.2	916.5	1957	93 04 - GPP
104					40	946	32	10 754	-156.2	909.0	1971	90 02 - GPP
24	4.25	0.240	0.37	0.96								
80	5.99	0.240	0.37	0.96								
598					21	887	33	10 870	-159.0	936.8	1971	90 08
90	2.37	0.260	0.25	0.96								- GPP
508	2.41	0.260	0.25	0.96								- GPP
32	6.10	0.270	0.40	0.95	19	887	83	10 425	-157.6	900.0	1973	85 12 - GPP
16	1.29	0.180	0.12	0.98	10	946	21	10 539	-173.7	948.5	1978	90 12 - GPP
32	2.08	0.250	0.33	0.88	50	921	34	10 929	-176.3	963.2	1964	93 01 - ABAND 83 09
256	4.90	0.250	0.29	0.92	64	941	21	10 624	-162.9	957.0	1953	88 12 - GPP
112	5.10	0.230	0.39	0.95	18	892	42	10 688	-143.5	902.9	1979	91 12 - GPP
723					31	885	32	10 757	-164.0	925.4	1983	92 12 - GPP
32	4.40	0.280	0.45	0.93								
691	3.27	0.260	0.36	0.96								
32	3.00	0.200	0.70	0.95	16	886	31	10 359	-145.1	858.0	1983	83 11 - ABAND 89 03
75	5.79	0.200	0.36	0.96	22	895	32	10 502	-156.3	910.3	1984	92 12 - GPP
64	4.40	0.210	0.65	0.95	27	891	34	10 935	-175.1	920.3	1987	87 10 - GPP
16	1.70	0.210	0.36	0.95	14	906	34	9 640	-162.7	910.9	1987	87 12 - GPP
117	3.90	0.260	0.39	0.95	14	899	34	10 352	-151.3	905.1	1987	91 02 - GPP
48	4.23	0.209	0.38	0.93	31	887	32	10 309	-169.3	927.2	1985	93 12 - GPP
64	3.35	0.270	0.37	0.91	31	887	32	9 696	-169.8	918.2	1987	88 03 - GPP
16	1.90	0.220	0.31	0.95	16	886	31	9 759	-151.0	879.1	1987	91 12 - GPP
16	9.00	0.237	0.26	0.95	18	907	34	9 378	-162.4	916.4	1988	88 06 - GPP
32	8.95	0.240	0.40	0.95	18	907	34	10 654	-178.0	931.4	1988	89 05 - GPP
16	10.50	0.240	0.28	0.95	14	906	34	9 436	-164.1	918.9	1988	88 08 - GPP
16	5.00	0.240	0.37	0.95	14	906	34	9 378	-154.0	912.5	1988	88 10 - GPP
16	5.80	0.250	0.34	0.95	14	906	34	10 608	-172.9	926.1	1988	88 11 - GPP
198	2.27	0.210	0.48	0.95	14	906	34	9 938	-155.5	925.7	1988	93 06 - GPP
64	2.31	0.180	0.51	0.95	14	906	34	10 155	-148.9	881.3	1988	89 05 - GPP
32	5.50	0.200	0.53	0.95	14	906	34	9 423	-163.7	914.8	1989	89 08 - ABAND 91 07
86					40	946	32	11 222	-157.8	910.8	1976	90 02 - GPP
37	2.86	0.250	0.38	0.96								
49	3.57	0.250	0.38	0.96								
16	7.30	0.250	0.32	0.93	29	965	33	9 414	-162.8	919.3	1989	90 02 - GPP
32	1.00	0.200	0.53	0.95	14	906	34	9 832	-146.9	926.9	1989	90 11 - ABAND 90 02

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
GRAND FORKS 011-13W4 (CONTINUED)								
SAWTOOTH VVV	141.0	<0.01		0.1		0.1	0.1	
SAWTOOTH WWW	108.0	0.10		10.8		10.8	2.2	8.6
SAWTOOTH YYY	20.4	<0.03		0.6		0.6	0.6	
SAWTOOTH ZZZ	95.1	0.15		14.3		14.3	7.2	7.1
SAWTOOTH A2A	111.0	0.10		11.1		11.1	6.5	4.6
SAWTOOTH B2B	230.0	0.20		46.0		46.0	28.2	17.8
SAWTOOTH C2C	374.0	0.30		112.0		112.0	62.5	49.5
SAWTOOTH D2D	350.0	0.15		52.5		52.5	4.7	47.8
SAWTOOTH E2E	218.0	0.30		65.4		65.4	8.5	56.9
SAWTOOTH F2F	253.0	0.25		63.3		63.3	41.0	22.3
SAWTOOTH G2G	88.0	0.15		13.2		13.2	1.0	12.2
SAWTOOTH H2H	155.0	0.20		31.0		31.0	2.7	28.3
SAWTOOTH I2I	469.0	0.20		93.8		93.8	23.8	70.0
SAWTOOTH J2J	225.0	0.15		33.8		33.8	1.7	32.1
SAWTOOTH K2K	252.0	0.15		37.8		37.8	5.8	32.0
SAWTOOTH L2L	183.0	0.20		36.6		36.6	4.8	31.8
SAWTOOTH M2M	100.0	0.20		20.0		20.0	5.3	14.7
SAWTOOTH N2N	173.0	0.10		17.3		17.3	2.6	14.7
SAWTOOTH O2O	56.2	0.15		8.4		8.4	0.9	7.5
SAWTOOTH P2P	464.0	0.10		46.4		46.4	0.9	45.5
SAWTOOTH Q2Q	30.0	0.30		9.0		9.0	7.3	1.7
ARCS A	196.0	<0.01		0.1		0.1		0.1
FIELD TOTAL	73 928.2			15 055.2	9 854.1	24 909.2	20 642.3	4 266.9
GREENCOURT 059-09W5								
PEKISKO A & JURASSIC A	2 511.0	0.07		176.0		176.0	134.5	41.5
PEKISKO C	136.0	<0.01		0.5		0.5	0.5	
FIELD TOTAL	2 647.0			176.5		176.5	135.0	41.5
GREENCOURT EAST 059-06W5								
JURASSIC A	88.0	<0.01		0.6		0.6	0.6	
BANFF A	180.0	<0.01		0.3		0.3	0.3	
BANFF B	135.0	<0.01		0.6		0.6	0.6	
FIELD TOTAL *	403.0			1.5		1.5	1.5	
GUNN 055-03W5								
BANFF A	74.8	<0.02		1.3		1.3	1.3	
FIELD TOTAL *	74.8			1.3		1.3	1.3	
HAIRY HILL 055-14W4								
VIKING K	36.9	<0.01		0.1		0.1	0.1	
COLONY T	60.8	<0.01		0.1		0.1	0.1	
FIELD TOTAL	97.7			0.2		0.2	0.2	
HARD 103-06W6								
PEKISKO B	245.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL *	245.0			0.1		0.1	0.1	
HAYS 013-14W4								
GLAUCONITIC A	47.9	0.15		7.2		7.2	0.9	6.3
LOWER MANNVILLE A	3 604.0	0.16	0.34	577.0	1 225.0	1 802.0	1 647.3	154.7
WATER FLOOD								
LOWER MANNVILLE G	108.0	0.15		16.2		16.2	13.5	2.7
LOWER MANNVILLE I	49.6	0.15		7.4		7.4	5.8	1.6
LOWER MANNVILLE M	700.0	0.15	0.25	105.0	175.0	280.0	182.9	97.1
WATER FLOOD								
LOWER MANNVILLE O	1 802.0	0.15		270.0		270.0	156.2	113.8
LOWER MANNVILLE P	293.0	0.15		44.0		44.0	18.0	26.0
LOWER MANNVILLE Q	272.0	0.20		54.4		54.4	26.3	28.1
LOWER MANNVILLE S	108.0	0.20		21.6		21.6	16.7	4.9
LOWER MANNVILLE T	223.0	0.10		22.3		22.3	1.1	21.2
LOWER MANNVILLE U	214.0	0.05		10.7		10.7	2.2	8.5
LOWER MANNVILLE V	262.0	0.05		13.1		13.1	0.8	12.3

HEAVY CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
32	4.00	0.200	0.42	0.95	14	905	34	10 767	-190.7	956.5	1989	91 09 - ABAND 91 07
32	2.51	0.240	0.41	0.95	14	905	34	9 641	-166.4	939.9	1990	91 03 - GPP
32	0.60	0.200	0.44	0.95	14	905	34	10 619	-174.2	973.2	1987	92 08 - ABAND 92 06
32	2.43	0.230	0.44	0.95	14	906	34	9 650	-167.4	941.3	1990	92 02 - GPP
32	3.20	0.220	0.48	0.95	14	906	34	10 139	-150.1	865.6	1990	91 03 - GPP
32	4.80	0.250	0.37	0.95	34	891	32	9 285	-153.8	906.5	1991	91 10 - GPP
80	3.84	0.210	0.39	0.95	14	905	34	9 290	-160.3	891.0	1991	92 12 - GPP
60	3.05	0.280	0.28	0.95	14	905	34	7 931	-171.8	956.8	1991	92 11 - GPP
16	8.30	0.240	0.28	0.95	14	905	34	8 295	-168.0	916.5	1991	91 12 - GPP
39	4.59	0.240	0.38	0.95	14	905	34	7 425	-150.4	901.9	1991	93 12 - GPP
32	2.80	0.190	0.45	0.94	34	891	32	10 466	-151.5	882.8	1991	92 03 - GPP
16	5.30	0.260	0.26	0.95	14	905	34	10 778	-149.6	907.6	1991	92 04 - GPP
57	4.94	0.240	0.27	0.95	18	892	42	10 634	-150.8	882.0	1965	92 05 - GPP
32	6.00	0.220	0.44	0.95	14	906	34	7 686	-177.9	952.1	1990	92 05 - GPP
32	5.90	0.270	0.48	0.95	17	919	37	9 877	-139.5	931.3	1991	92 10 - GPP
16	7.90	0.250	0.39	0.95	14	905	34	9 795	-137.3	920.6	1992	92 09 - GPP
16	3.80	0.230	0.23	0.93	14	905	34	11 334	-146.4	926.3	1992	92 12 - GPP
32	3.22	0.260	0.32	0.95	17	919	37	9 736	-131.8	922.0	1992	93 11 - GPP
16	2.80	0.240	0.45	0.95	14	906	34	9 673	-154.3	902.6	1992	93 11 - GPP
32	9.50	0.220	0.27	0.95	14	906	34	8 608	-151.4	899.4	1991	93 10 - GPP
16	2.08	0.190	0.50	0.95	19	891	33	9 881	-144.0	878.0	1984	93 12 - GPP
32	7.20	0.130	0.22	0.84	69	927	39	12 666	-509.0	1 266.7	1988	92 09 - ABAND 90 02
540	5.30	0.130	0.25	0.90	49	915	58	11 199	-706.0	1 467.2	1961	91 12 - GPP
65	3.35	0.090	0.20	0.87	48	898	60	11 291	-712.8	1 474.2	1968	69 01
32	3.00	0.180	0.40	0.85	46	915	70	10 880	-564.6	1 246.8	1980	85 12
32	9.30	0.100	0.32	0.89	40	922	50	10 115	-569.4	1 237.8	1981	84 12 - ABAND 85 06
32	10.78	0.074	0.40	0.88	43	934	51	9 446	-573.1	1 245.8	1980	84 12 - ABAND 85 06
32	3.50	0.100	0.25	0.89	46	933	43	10 336	-603.4	1 350.0	1978	93 10 - ABAND 93 03
32	1.60	0.160	0.50	0.90	41	904	22	4 525	137.6	486.0	1976	85 07
16	2.00	0.300	0.36	0.99	10	952	20	3 746	92.4	541.0	1982	83 02
16	13.10	0.160	0.23	0.95	50	915	27	3 039	28.0	630.7	1980	92 11 - ABAND 90 01
16	2.00	0.210	0.25	0.95	22	960	26	8 267	-157.1	932.5	1992	93 01 - GPP
386	4.94	0.280	0.25	0.90	38	865	31	10 456	-166.0	951.2	1964	92 12 - GPP
64	2.14	0.160	0.44	0.88	21	887	30	11 005	-164.5	963.2	1978	93 07 - GPP
32	1.00	0.220	0.20	0.88	37	865	28	12 311	-158.0	946.0	1980	93 12 - GPP
127	3.16	0.229	0.19	0.94	37	873	31	11 839	-167.1	955.6	1984	91 04 - GPP
128	7.64	0.260	0.23	0.92	35	890	31	11 891	-173.6	945.5	1983	88 03 - GPP
32	4.80	0.280	0.26	0.92	35	860	31	11 956	-181.6	946.2	1987	89 10 - GPP
32	3.80	0.280	0.15	0.94	37	873	31	10 766	-160.0	949.4	1986	88 09 - GPP
32	2.35	0.220	0.29	0.92	35	863	31	10 695	-180.4	944.6	1989	90 05 - GPP
32	6.50	0.220	0.47	0.92	35	863	31	10 734	-213.0	960.8	1989	90 07 - GPP
32	5.70	0.220	0.42	0.92	35	863	31	11 037	-204.7	955.1	1985	90 05 - GPP
32	5.30	0.240	0.30	0.92	35	863	31	11 934	-178.7	959.4	1990	91 03

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
HAYS 013-14W4 (CONTINUED)								
LOWER MANNVILLE W	89.4	0.20		17.9		17.9	12.5	5.4
LOWER MANNVILLE X	43.7	0.27		11.8		11.8	11.8	
SAWTOOTH A	211.0	0.20		42.2		42.2	25.5	16.7
SAWTOOTH B	1 981.0	0.50		991.0		991.0	543.7	447.3
SAWTOOTH C	1 524.0	0.40		610.0		610.0	502.7	107.3
SAWTOOTH D	876.0	0.20		175.0		175.0	137.7	37.3
SAWTOOTH F	500.0	0.40		200.0		200.0	137.5	62.5
SAWTOOTH G	125.0	0.10		12.5		12.5	6.8	5.7
SAWTOOTH I	136.0	<0.01		0.2		0.2	0.2	
SAWTOOTH K	100.0	0.15		15.0		15.0	0.8	14.2
SAWTOOTH M	60.5	0.10		6.1		6.1	0.1	6.0
ARCS D	17.0	<0.01		0.1		0.1	0.1	
ARCS F	590.0	0.05		29.5		29.5	10.3	19.2
ARCS L	413.0	<0.01		1.2		1.2	1.2	
ARCS M	125.0	0.10		12.5		12.5	6.7	5.8
ARCS N	217.0	0.05		10.9		10.9	1.3	9.6
ARCS O	113.0	0.10		11.3		11.3	2.6	8.7
ARCS P	199.0	0.05		10.0		10.0	3.0	7.0
ARCS B & H	308.0	0.15		46.2		46.2	26.9	19.3
ARCS A,C & E	2 522.0	0.05		126.0		126.0	84.2	41.8
FIELD TOTAL	17 834.1			3 478.3	1 400.0	4 878.3	3 587.3	1 291.0
HAYTER 041-01W4								
UPPER MANNVILLE A	90.1	0.07		6.3		6.3	5.0	1.3
COLONY A	111.0	<0.01		0.1		0.1	0.1	
COLONY B	282.0	0.07		19.7		19.7	13.2	6.5
COLONY C	43.9	0.15		6.6		6.6	6.1	0.5
MCLAREN A	122.0	<0.01		0.1		0.1	0.1	
SPARKY A TOTAL	3 742.0			269.0	123.0	392.0	360.8	31.2
PRIMARY AREA	662.0	0.08		53.0		53.0		
WATER FLOOD AREA	3 080.0	0.07	0.04	216.0	123.0	339.0		
SPARKY B	262.0	0.04		10.5		10.5	6.3	4.2
SPARKY C	162.0	0.05		8.1		8.1	1.8	6.3
SPARKY G	63.0	0.08		5.0		5.0	3.9	1.1
SPARKY H	36.2	<0.01		0.2		0.2	0.2	
SPARKY I	89.3	<0.02		1.2		1.2	1.2	
SPARKY K	34.6	0.05		1.7		1.7	1.4	0.3
SPARKY L	115.0	0.10		11.5		11.5	8.3	3.2
SPARKY M	99.1	0.05		5.0		5.0	2.7	2.3
SPARKY N	115.0	<0.01		0.2		0.2	0.2	
SPARKY O	62.5	<0.01		0.2		0.2	0.2	
SPARKY P	38.4	<0.02		0.5		0.5	0.5	
SPARKY R	29.4	0.01		0.3		0.3	0.3	
SPARKY S	74.6	<0.02		0.9		0.9	0.9	
SPARKY T	102.0	0.05		5.1		5.1	3.9	1.2
SPARKY V	82.6	0.10		8.3		8.3	0.9	7.4
SPARKY W	184.0	0.05		9.2		9.2	4.9	4.3
SPARKY X	54.8	0.10		5.5		5.5	0.8	4.7
SPARKY D & E	1 216.0	0.10		122.0		122.0	104.2	17.8
GENERAL PETROLEUM A	218.0	0.10		21.8		21.8	6.5	15.3
GENERAL PETROLEUM B	101.0	0.10		10.1		10.1	0.6	9.5
CUMMINGS A	57.0	<0.02		1.1		1.1	1.1	
CUMMINGS B	295.0	0.10		29.5		29.5	22.1	7.4
CUMMINGS D	152.0	0.05		7.6		7.6	0.7	6.9
DINA A TOTAL	12 280.0			1 108.0	2 939.0	4 047.0	2 191.2	1 855.8
PRIMARY AREA	4 937.0	0.15		741.0		741.0		
WATER FLOOD AREA	7 347.0	0.05	0.40	367.0	2 939.0	3 306.0		
DINA B	45 450.0	0.04		1 818.0		1 818.0	1 100.6	717.4
DINA D	366.0	0.07		25.6		25.6	21.8	3.8
DINA H	252.0	<0.01		2.4		2.4	2.4	
DINA I	4 727.0	0.20		945.0		945.0	468.0	477.0
DINA L	158.0	<0.01		0.2		0.2	0.2	
DINA N	218.0	0.10		21.8		21.8	0.1	21.7
DINA O	252.0	0.10		25.2		25.2	14.1	11.1
DINA P	134.0	0.05		6.7		6.7	0.5	6.2
DINA Q	6 930.0	0.10		693.0		693.0	200.5	492.5
DINA R	39.9	<0.01		0.3		0.3	0.3	
DINA T	35.2	<0.01		0.1		0.1	0.1	
FIELD TOTAL	78 876.6			5 213.6	3 062.0	8 275.6	4 558.7	3 716.9

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
32	2.50	0.170	0.27	0.90	38	865	31	10 786	-162.3	953.5	1989	93 12
16	1.22	0.280	0.15	0.94	37	873	31		-157.1	943.5	1965	93 10
97	2.00	0.220	0.48	0.95	20	876	30	10 818	-167.9	973.2	1985	86 10 - GPP
540	2.86	0.250	0.43	0.90	40	904	38	11 036	-174.2	974.6	1967	93 12 - GPP
390	2.68	0.270	0.40	0.90	21	898	38	11 025	-174.6	958.2	1967	92 12 - GPP
160	3.68	0.260	0.35	0.88	60	887	32	11 016	-177.5	952.9	1969	88 12 - GPP
143	2.04	0.270	0.31	0.92	37	893	58	10 780	-172.2	951.9	1983	91 12 - GPP
32	2.00	0.290	0.25	0.90	37	894	34	10 736	-177.3	972.0	1987	87 12 - GPP
64	2.80	0.250	0.65	0.87	53	876	28	11 013	-183.2	936.6	1988	92 06 - ABAND 91 10
32	1.90	0.260	0.33	0.95	18	860	33	9 725	-180.1	981.0	1988	89 05 - GPP
32	1.70	0.260	0.55	0.95	18	931	33	11 012	-177.0	957.3	1990	91 03 - GPP
16	2.70	0.073	0.38	0.87	52	862	35			1 360.4	1987	91 12
64	7.50	0.198	0.31	0.90	40	898	36	11 859	-549.3	1 347.8	1987	87 01 - GPP
64	7.40	0.110	0.11	0.89	49	883	35	12 730	-545.5	1 347.7	1989	92 03 - ABAND 91 05
16	5.50	0.190	0.16	0.89	49	883	35	11 883	-556.8	1 340.4	1989	91 07 - GPP
64	4.00	0.130	0.25	0.87	52	862	35	12 266	-538.7	1 331.3	1989	90 06 - GPP
32	4.20	0.120	0.21	0.89	49	883	35	12 266	-538.7	1 330.5	1989	90 09
64	3.40	0.138	0.19	0.82	74	895	33	12 548	-553.2	1 352.7	1985	89 12 - GPP
32	11.13	0.120	0.19	0.89	49	849	35	12 210	-546.1	1 323.3	1987	93 12 - GPP
273	11.36	0.120	0.23	0.88	43	868	46	12 954	-548.0	1 333.2	1987	92 11 - GPP
32	2.20	0.220	0.40	0.97	12	930	27	4 854	-46.1	761.2	1980	91 12
16	5.20	0.250	0.45	0.97	14	951	26	4 528	14.3	618.0	1980	80 10 - ABAND 87 07
64	2.82	0.260	0.38	0.97	11	972	28	4 931	-4.7	682.7	1983	93 12 - GPP
16	2.00	0.280	0.50	0.98	8	950	24	4 613	-1.7	651.0	1982	88 12 - GPP
16	4.50	0.260	0.32	0.96	13	985	31	4 954	-7.1	685.7	1989	92 10
1 256					13	910	29	5 851	-37.8	792.6	1968	92 12
176	2.13	0.280	0.35	0.97								- GPP
1 080	1.37	0.290	0.26	0.97								- GPP
65	2.13	0.280	0.30	0.97	15	915	27	5 882	-39.9	739.4	1971	93 11 - GPP
64	1.54	0.260	0.35	0.97	12	921	37	5 853	-37.0	776.0	1971	73 01 - GPP
16	2.50	0.280	0.42	0.97	12	919	32	5 254	-33.9	687.0	1979	89 12 - GPP
16	1.60	0.270	0.46	0.97	19	920	23	5 296	-42.7	717.6	1979	88 12 - ABAND 81 09
32	2.14	0.240	0.44	0.97	12	925	32	5 444	-36.4	709.9	1980	88 12
16	2.00	0.250	0.55	0.96	18	934	26	5 116	-34.0	762.3	1980	82 03
45	1.24	0.290	0.27	0.97	11	911	31	5 816	-33.5	735.0	1981	89 11 - GPP
16	3.50	0.240	0.24	0.97	11	939	28	5 142	-42.1	732.6	1979	80 01
32	2.40	0.280	0.45	0.97	12	920	27	5 586	-40.8	737.0	1972	88 12 - ABAND 91 06
16	2.30	0.250	0.30	0.97	12	920	26	5 660	-36.8	736.6	1983	83 11
16	1.50	0.300	0.45	0.97	11	925	28	5 362	-44.7	718.8	1983	88 12 - ABAND 92 09
16	1.50	0.230	0.45	0.97	11	920	26	5 969	-37.0	771.1	1983	88 12 - ABAND 92 06
32	1.68	0.270	0.47	0.97	10	920	27	5 875	-39.5	785.4	1985	91 10 - ABAND 91 07
32	1.80	0.290	0.37	0.97	13	893	27	5 689	-48.5	713.9	1988	89 02 - GPP
32	1.30	0.310	0.34	0.97	10	913	28	5 656	-44.8	722.5	1989	90 03 - GPP
64	1.80	0.270	0.39	0.97	13	892	27		-50.9	718.0	1989	90 03 - GPP
32	0.90	0.280	0.30	0.97	10	889	28	5 159	-46.0	730.6	1992	92 06 - GPP
418	1.86	0.260	0.38	0.97	16	930	25	5 191	-40.5	741.2	1972	88 12 - GPP
85	1.24	0.300	0.29	0.97	13	892	27	5 487	-49.5	721.9	1989	91 10 - GPP
16	3.00	0.300	0.28	0.97	12	974	29	5 467	-47.1	743.5	1982	92 03 - GPP
16	2.50	0.210	0.30	0.97	10	911	33	4 806	-75.1	758.7	1981	82 04 - ABAND 90 10
109	1.81	0.240	0.35	0.96	17	904	29	5 143	-76.6	732.3	1981	89 12 - GPP
32	2.70	0.260	0.29	0.95	11	905	28	5 169	-79.6	828.7	1989	90 09
707					13	921	24	5 286	-78.4	797.6	1954	93 12 - GPP
308	6.80	0.300	0.19	0.97								
399	8.01	0.300	0.21	0.97								
1 776	10.83	0.290	0.16	0.97	20	965	28	5 674	-98.7	781.6	1969	92 01 - GPP
32	5.24	0.300	0.25	0.97	9	938	34	5 260	-78.1	706.3	1979	87 12 - GPP
16	8.40	0.280	0.31	0.97	11	970	30	5 688	-84.1	771.6	1979	89 12 - GPP
225	7.94	0.310	0.12	0.97	11	960	27	5 630	-93.9	766.9	1984	92 01 - GPP
16	6.00	0.280	0.37	0.93	15	989	29	5 065	-95.5	858.3	1985	86 03 - ABAND 86 12
16	6.00	0.320	0.27	0.97	9	935	28	5 282	-89.3	781.0	1987	88 07 - GPP
16	8.79	0.280	0.34	0.97	9	935	28	5 424	-75.4	726.1	1987	89 12 - GPP
16	4.00	0.260	0.18	0.98	9	935	28		-104.7	752.5	1988	88 11 - GPP
337	8.50	0.290	0.14	0.97	9	935	28	5 342	-93.9	779.3	1978	90 12 - GPP
4	5.20	0.260	0.24	0.97	9	935	28	5 642	-96.2	775.4	1989	89 08 - ABAND 91 01
4	4.50	0.280	0.28	0.97	9	935	28	5 321	-91.9	761.8	1991	92 06 - ABAND 92 03

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
HEATHDALE 026-09W4								
GLAUCONITIC B	27.7	0.10		2.8		2.8	2.2	0.6
LOWER MANNVILLE B	151.0	0.05		7.6		7.6	0.1	7.5
DETRITAL A	248.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL	426.7			10.5		10.5	2.4	8.1
HECTOR 016-17W4								
UPPER MANNVILLE B	205.0	0.05		10.3		10.3	2.1	8.2
UPPER MANNVILLE D	313.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL	518.0			10.4		10.4	2.2	8.2
HORSEFLY LAKE								
008-16W4								
MANNVILLE TOTAL	6 381.0			560.0	849.0	1 409.0	1 238.2	170.8
PRIMARY AREA	721.0	0.07		50.5		50.5		
WATER FLOOD AREA	5 660.0	0.09	0.15	509.0	849.0	1 358.0		
MANNVILLE B	154.0	0.10		15.4		15.4	13.6	1.8
MANNVILLE C	13.6	<0.03		0.3		0.3	0.3	
FIELD TOTAL	6 548.6			575.7	849.0	1 424.7	1 252.1	172.6
ISLAY 050-04W4								
CUMMINGS A	113.0	<0.01		0.1		0.1		0.1
FIELD TOTAL	113.0			0.1		0.1		0.1
JENNER 020-09W4								
UPPER MANNVILLE E	4 909.0			508.0	684.0	1 192.0	953.0	239.0
TOTAL								
PRIMARY AREA	348.0	0.15		52.2		52.2		
WATER FLOOD AREA	4 561.0	0.10	0.15	456.0	684.0	1 140.0		
UPPER MANNVILLE F	5 211.0	0.10		521.0		521.0	200.9	320.1
UPPER MANNVILLE M	239.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE O	7 699.0			788.0	1 101.0	1 889.0	751.9	1 137.1
TOTAL								
PRIMARY AREA	362.0	0.15		54.3		54.3		
WATER FLOOD AREA	7 337.0	0.10	0.15	734.0	1 101.0	1 835.0		
UPPER MANNVILLE V	267.0	<0.01		2.1		2.1	2.1	
UPPER MANNVILLE X	249.0	<0.02		3.9		3.9	3.9	
UPPER MANNVILLE Z	297.0	0.05		14.9		14.9	0.9	14.0
UPPER MANNVILLE DD	243.0	0.04		9.7		9.7	9.6	0.1
UPPER MANNVILLE HH	163.0	0.10		16.3		16.3	0.4	15.9
UPPER MANNVILLE LL	850.0	0.35		298.0		298.0	143.2	154.8
UPPER MANNVILLE MM	390.0	0.05		19.5		19.5	9.2	10.3
UPPER MANNVILLE NN	42.2	<0.01		0.4		0.4	0.4	
UPPER MANNVILLE OO	284.0	0.02		5.7		5.7	2.8	2.9
UPPER MANNVILLE WW	47.4	0.10		4.7		4.7	3.8	0.9
UPPER MANNVILLE XX	202.0	0.15		30.3		30.3	0.8	29.5
UPPER MANNVILLE YY	167.0	0.10		16.7		16.7	2.2	14.5
UPPER MANNVILLE BBB	135.0	0.10		13.5		13.5	6.6	6.9
UPPER MANNVILLE DDD	182.0	0.30		54.6		54.6	28.4	26.2
UPPER MANNVILLE JJJ	105.0	0.20		21.0		21.0	11.8	9.2
LOWER MANNVILLE A	256.0	<0.01		0.7		0.7	0.7	
LOWER MANNVILLE C	60.3	0.02		1.2		1.2	1.2	
PEKISKO A	94.8	<0.07		6.1		6.1	6.1	
PEKISKO B	134.0	<0.01		0.3		0.3	0.3	
PEKISKO C	106.0	0.05		5.3		5.3	1.1	4.2
PEKISKO D	124.0	<0.01		0.2		0.2	0.2	
PEKISKO E	50.7	<0.01		0.1		0.1	0.1	
PEKISKO F	174.0	<0.02		3.0		3.0	3.0	
PEKISKO G	234.0	0.20		46.8		46.8	17.1	29.7
PEKISKO H	47.1	<0.03		1.4		1.4	1.4	
PEKISKO I	149.0	0.15		22.4		22.4	3.1	19.3
PEKISKO J	82.2	<0.03		1.7		1.7	1.7	
PEKISKO K	38.1	<0.01		0.1		0.1	0.1	
PEKISKO L	32.8	0.25		8.2		8.2	3.4	4.8
PEKISKO M	196.0	0.10		19.6		19.6	0.7	18.9
FIELD TOTAL	23 460.6			2 445.5	1 785.0	4 230.5	2 172.2	2 058.3

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
16	1.00	0.280	0.35	0.95	18	949	34	9 595	-213.2	1 028.0	1982	83 03 - GPP
16	12.00	0.180	0.52	0.91	36	939	35	8 651	-220.1	1 004.3	1987	88 04 -
16	10.00	0.250	0.32	0.91	36	940	35	8 642	-228.2	1 012.3	1988	89 05 - ABAND 89 07
32	9.16	0.150	0.47	0.88	52	913	33	12 171	-292.6	1 079.1	1982	93 11
64	6.10	0.150	0.40	0.89	53	890	30	11 716	-306.9	1 078.8	1988	91 12 - ABAND 90 08
1 200					16	887	33	10 326	-98.0	967.0	1963	93 12
176	4.31	0.175	0.44	0.97								
1 024	5.50	0.185	0.44	0.97								- GPP
64	2.85	0.160	0.45	0.96	23	900	40	9 622	-96.6	956.9	1980	86 04 - GPP
16	1.50	0.090	0.35	0.97	29	950	34	9 500	-105.9	950.3	1981	93 07 - ABAND 83 12
16	3.50	0.300	0.30	0.96	17	978	26	6 797	-20.0	701.3	1980	82 03 - ABAND 83 05
1 275					37	927	33	10 756	-205.9	978.8	1963	93 12
143	1.93	0.230	0.41	0.93								
1 132	2.01	0.297	0.25	0.90								- GPP
342	9.20	0.260	0.30	0.91	29	952	33	10 493	-179.9	935.0	1965	93 12 - GPP
32	5.49	0.230	0.35	0.91	35	946	31	10 369	-184.7	941.2	1971	89 12
655					37	952	33	10 609	-182.8	954.3	1952	93 12 - GPP
20	10.12	0.270	0.28	0.92								
635	6.90	0.260	0.30	0.92								
16	9.90	0.240	0.26	0.95	37	960	35	10 354	-199.2	937.7	1973	92 08 - ABAND 92 05
24	7.30	0.230	0.35	0.95	38	941	24	10 344	-193.7	918.4	1984	92 11 - ABAND 92 05
32	5.64	0.270	0.33	0.91	29	959	32	10 262	-187.0	961.9	1954	89 10 - GPP
32	5.06	0.250	0.34	0.91	29	952	33	10 296	-179.8	937.7	1965	88 12 - GPP
16	8.30	0.230	0.42	0.92	34	945	32	9 621	-190.6	954.7	1988	89 12 - GPP
100	5.83	0.240	0.34	0.92	34	945	32	9 231	-195.9	944.2	1990	92 10 - GPP
32	6.30	0.280	0.25	0.92	34	945	32	9 780	-189.3	930.7	1989	91 11 - GPP
16	1.50	0.300	0.37	0.93	29	955	32	9 993	-188.4	925.8	1989	91 02 - ABAND 91 11
32	6.21	0.240	0.36	0.93	29	955	32	9 301	-192.0	940.8	1990	92 12 - GPP
16	2.30	0.230	0.41	0.95	29	955	23	9 870	-189.5	950.9	1990	91 12 - GPP
16	7.60	0.270	0.33	0.92	34	922	32	10 521	-183.3	935.0	1991	91 07 - GPP
16	5.50	0.290	0.29	0.92	34	945	32	10 207	-180.1	970.0	1991	92 03
16	5.00	0.250	0.29	0.95	20	941	28	10 277	-191.9	915.0	1991	91 11 - GPP
32	3.07	0.280	0.28	0.92	37	954	33	10 401	-178.9	952.5	1990	93 12 - GPP
32	4.20	0.170	0.50	0.92	34	945	32		-212.3	968.9	1988	93 04 - GPP
32	4.57	0.240	0.20	0.91	29	940	32	10 876	-222.2	979.0	1964	67 05 - GPP
16	3.00	0.230	0.40	0.91	42	944	32	10 679	-213.0	989.2	1981	88 12 - ABAND 84 11
64	3.29	0.100	0.50	0.90	81	946	33	10 910	-228.0	996.2	1963	73 02 - ABAND 72 02
8	23.77	0.112	0.30	0.90	81	946	41	10 627	-219.6	1 023.2	1966	92 11 - ABAND 69 02
32	6.10	0.120	0.50	0.90	81	946	34	10 823	-222.8	989.7	1966	68 10 - GPP
16	4.27	0.300	0.35	0.93	29	972	32	10 867	-218.4	991.1	1971	92 11 - ABAND 77 02
32	5.50	0.080	0.60	0.90	41	943	33	10 789	-222.2	987.3	1980	82 12
32	10.80	0.100	0.43	0.88	50	950	27	10 839	-236.6	971.8	1986	92 10 - ABAND 92 08
32	14.40	0.090	0.42	0.97	8	941	39	10 841	-236.7	981.0	1991	91 07 - GPP
16	2.00	0.230	0.34	0.97	10	928	31	10 480	-241.8	981.0	1991	92 10 - ABAND 92 08
16	12.90	0.110	0.31	0.95	20	936	32	11 205	-234.6	981.3	1987	91 10 - GPP
32	5.88	0.100	0.54	0.95	19	935	33	10 727	-247.5	985.6	1991	92 11 - ABAND 92 08
16	5.70	0.110	0.60	0.95	21	929	30	10 567	-243.0	989.8	1991	92 12 - ABAND 92 09
16	6.85	0.070	0.55	0.95	19	893	32	10 671	-234.2	984.0	1991	93 12 - GPP
16	9.30	0.240	0.34	0.83	80	948	31	10 829	-232.3	980.7	1990	92 12 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
JOHNSON 016-14W4								
GLAUCONITIC B TOTAL	2 049.0			410.0	396.0	806.0	647.1	158.9
PRIMARY AREA	69.9	0.20		14.0		14.0		
WATER FLOOD AREA	1 979.0	0.20	0.20	396.0	396.0	792.0		
GLAUCONITIC C TOTAL	731.0			110.0	137.0	247.0	137.5	109.5
PRIMARY AREA	46.0	0.15		6.9		6.9		
WATER FLOOD AREA	685.0	0.15	0.20	103.0	137.0	240.0		
GLAUCONITIC E	412.0	0.20		82.4		82.4	31.2	51.2
GLAUCONITIC G	32.0	0.15		4.8		4.8	2.3	2.5
GLAUCONITIC H	1 460.0	0.15		219.0		219.0	15.6	203.4
GLAUCONITIC I	340.0	0.15		51.0		51.0	10.8	40.2
FIELD TOTAL *	5 024.0			877.2	533.0	1 410.2	844.5	565.7
KEHO 011-22W4								
BANFF A	46.8	<0.02		0.8		0.8	0.8	
FIELD TOTAL *	46.8			0.8		0.8	0.8	
KILLAM 043-10W4								
COLONY F	140.0	0.05		7.0		7.0	3.9	3.1
LOWER MANNVILLE A	58.1	<0.02		0.7		0.7	0.7	
ELLERSLIE CC	954.0	0.10		95.4		95.4	17.7	77.7
FIELD TOTAL *	1 152.1			103.1		103.1	22.3	80.8
KIRKWALL 027-05W4								
COLONY A	110.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL	110.0			0.1		0.1	0.1	
LANFINE 025-05W4								
BANFF A	12.2	<0.02		0.2		0.2	0.2	
FIELD TOTAL	12.2			0.2		0.2	0.2	
LATHOM 020-17W4								
UPPER MANNVILLE A	4 516.0			693.0	1 598.0	2 291.0	2 155.1	135.9
TOTAL								
PRIMARY AREA	312.0	0.20		62.4		62.4		
WATER FLOOD AREA	4 204.0	0.15	0.38	631.0	1 598.0	2 229.0		
UPPER MANNVILLE C	952.0			103.0	272.0	375.0	342.2	32.8
TOTAL								
PRIMARY AREA	153.0	0.10		15.3		15.3		
WATER FLOOD AREA	799.0	0.11	0.34	87.9	272.0	360.0		
UPPER MANNVILLE E	87.8	<0.01		0.4		0.4	0.4	
UPPER MANNVILLE G	115.0	0.10		11.5		11.5	1.4	10.1
UPPER MANNVILLE H	188.0	0.10		18.8		18.8		18.8
UPPER MANNVILLE I	185.0	0.05		9.3		9.3	6.6	2.7
UPPER MANNVILLE J	60.1	0.10		6.0		6.0	0.9	5.1
UPPER MANNVILLE L	54.3	0.10		5.4		5.4	0.1	5.3
UPPER MANNVILLE M	361.0	0.10		36.1		36.1	11.8	24.3
UPPER MANNVILLE N	133.0	0.15		20.0		20.0	8.3	11.7
UPPER MANNVILLE O	46.5	0.10		4.7		4.7	0.2	4.5
UPPER MANNVILLE P	39.0	0.10		3.9		3.9	2.4	1.5
LOWER MANNVILLE A	266.0	0.10		26.6		26.6	16.9	9.7
LOWER MANNVILLE B	71.5	<0.02		0.9		0.9	0.9	
LOWER MANNVILLE C	127.0	<0.01		0.9		0.9	0.9	
LOWER MANNVILLE D	39.9	0.10		4.0		4.0	1.4	2.6
FIELD TOTAL	7 242.1			944.5	1 870.0	2 814.5	2 549.5	265.0
LEAMAN 057-09W5								
PEKISK0 A	97.8	<0.06		5.6		5.6	5.6	
PEKISK0 B	33.2	<0.01		0.1		0.1	0.1	
PEKISK0 C	31.3	<0.01		0.1		0.1	0.1	
FIELD TOTAL *	162.3			5.8		5.8	5.8	
LECKIE 019-17W4								
UPPER MANNVILLE B	429.0	0.08		34.3		34.3	29.4	4.9
UPPER MANNVILLE C	219.0	0.08		17.5		17.5	12.6	4.9
LOWER MANNVILLE A	193.0	<0.01		1.2		1.2	1.2	

HEAVY CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
331					50	891	30	10 953	-254.7	1 030.1	1982	93 07
20	2.58	0.220	0.30	0.88								- GPP
311	3.57	0.250	0.19	0.88								
118					50	888	31	10 863	-249.6	1 021.5	1983	90 02
8	3.49	0.234	0.20	0.88								- GPP
110	3.78	0.234	0.20	0.88								
128	2.90	0.180	0.30	0.88	53	893	31	10 809	-254.0	1 032.1	1983	91 09
16	1.71	0.190	0.30	0.88	56	879	32	9 737	-251.4	1 025.1	1991	93 12 - GPP
98	8.05	0.260	0.20	0.89	53	882	30	11 123	-251.9	1 020.3	1992	93 11
27	6.64	0.260	0.18	0.89	53	877	30		-250.5	1 024.3	1992	93 11
16	7.20	0.055	0.23	0.96	10	964	51	21 222	-745.7	1 720.3	1980	81 06 - ABAND 84 10
16	4.20	0.330	0.24	0.83	209	908	26	5 330	-21.0	702.1	1979	80 11
16	1.93	0.260	0.23	0.94	24	954	36	6 604	-162.2	873.0	1978	85 12 - ABAND 83 12
228	2.50	0.240	0.25	0.93	21	908	34	6 687	-249.2	953.5	1984	90 05 - GPP
16	7.00	0.220	0.54	0.97	9	956	35	7 584	-86.9	888.2	1980	83 05 - ABAND 86 12
8	6.00	0.050	0.42	0.88	37	982	38	9 553	-203.1	957.8	1987	91 12 - ABAND 92 11
490					66	876	35	10 565	-374.1	1 169.0	1968	92 12 - GPP
64	3.26	0.220	0.20	0.85								
426	6.31	0.230	0.20	0.85								
175					62	887	45	10 723	-355.9	1 137.4	1970	91 12
16	10.00	0.200	0.45	0.87								- GPP
159	3.93	0.210	0.30	0.87								
65	1.22	0.210	0.38	0.85	51	849	40	10 354	-376.2	1 183.6	1973	74 03
32	2.70	0.220	0.29	0.85	62	875	37	10 596	-378.0	1 179.4	1990	91 10
64	2.00	0.230	0.25	0.85	66	869	32	10 083	-383.0	1 218.6	1980	80 12
64	3.90	0.120	0.29	0.87	56	869	36	10 374	-356.4	1 176.7	1987	90 07 - GPP
64	1.00	0.180	0.40	0.87	56	869	37	9 977	-371.5	1 197.5	1983	88 08
16	4.30	0.160	0.42	0.85	62	875	37	10 176	-371.2	1 182.9	1990	91 09 - GPP
64	3.40	0.260	0.25	0.85	62	875	37	9 229	-379.2	1 181.7	1990	92 04
27	4.35	0.210	0.38	0.87	56	868	37	11 313	-362.3	1 154.5	1990	93 12
16	3.80	0.160	0.45	0.87	56	868	37	8 791	-299.9	1 087.6	1990	91 11
16	2.80	0.200	0.50	0.87	56	868	37	10 532	-359.9	1 149.9	1991	91 12
128	1.64	0.200	0.28	0.88	41	876	31	11 061	-391.5	1 181.2	1973	80 07 - GPP
32	3.05	0.160	0.48	0.88	41	876	35	11 087	-391.3	1 209.4	1973	79 01
16	9.00	0.210	0.50	0.84	76	901	37	11 112	-424.7	1 250.7	1983	92 11 - ABAND 88 03
16	2.40	0.200	0.41	0.88	48	870	38	11 042	-390.1	1 193.4	1990	91 11
64	3.10	0.100	0.42	0.85	50	916	71	12 548	-862.5	1 688.5	1978	79 08 - GPP
16	6.40	0.080	0.55	0.90	37	963	61	12 513	-867.7	1 650.8	1981	83 10 - ABAND 85 07
16	6.60	0.070	0.53	0.90	37	963	61	12 227	-835.1	1 615.2	1981	83 10 - ABAND 85 06
87	3.06	0.250	0.25	0.86	64	887	34	10 982	-333.9	1 133.5	1967	91 12 - GPP
202	0.80	0.206	0.26	0.89	58	900	40	10 690	-348.4	1 170.8	1987	91 12 - GPP
32	5.18	0.190	0.32	0.90	33	887	44	11 716	-373.4	1 174.7	1967	68 10 - ABAND 69 10

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE 10 ³ m ³	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 10 ³ m ³	REMAINING ESTABLISHED RESERVES 10 ³ m ³
		PRIMARY frac	ENHANCED frac	PRIMARY 10 ³ m ³	ENHANCED 10 ³ m ³	TOTAL 10 ³ m ³		
LECKIE 019-17W4 (CONTINUED) FIELD TOTAL	841.0			53.0		53.0	43.2	9.8
LITTLE BOW 015-19W4								
BOW ISL G,UP MANN BB & LOWER MANNVILLE T	494.0	0.10		49.4		49.4	34.8	14.6
UPPER MANNVILLE D TOTAL	1 531.0			61.2	76.2	137.0	123.3	13.7
PRIMARY AREA	260.0	0.04		10.4		10.4		
WATER FLOOD AREA	1 271.0	0.04	0.06	50.8	76.2	127.0		
UPPER MANNVILLE F	192.0	0.10		19.2		19.2	4.3	14.9
UPPER MANNVILLE G TOTAL	2 028.0			203.0	270.0	473.0	210.3	262.7
PRIMARY AREA	229.0	0.10		22.9		22.9		
WATER FLOOD AREA	1 799.0	0.10	0.15	180.0	270.0	450.0		
UPPER MANNVILLE H	74.6	<0.01		0.4		0.4	0.4	
UPPER MANNVILLE I TOTAL	2 866.0			287.0	359.0	646.0	401.0	245.0
PRIMARY AREA	1 071.0	0.10		107.0		107.0		
WATER FLOOD AREA	1 795.0	0.10	0.20	180.0	359.0	539.0		
UPPER MANNVILLE J	210.0	<0.03		5.9		5.9	5.9	
UPPER MANNVILLE L TOTAL	1 211.0			62.7	40.0	103.0	90.5	12.5
PRIMARY AREA	211.0	0.06		12.7		12.7		
WATER FLOOD AREA	1 000.0	0.05	0.04	50.0	40.0	90.0		
UPPER MANNVILLE M	147.0	0.10		14.7		14.7	8.5	6.2
UPPER MANNVILLE N	21.2	<0.05		0.9		0.9	0.9	
UPPER MANNVILLE O	146.0	<0.02		2.5		2.5	2.5	
UPPER MANNVILLE P	400.0	0.13		52.0		52.0	40.0	12.0
UPPER MANNVILLE Q	50.4	0.07		3.5		3.5	2.1	1.4
UPPER MANNVILLE R	45.3	<0.04		1.7		1.7	1.7	
UPPER MANNVILLE S	2 400.0	0.03		72.0		72.0	35.2	36.8
UPPER MANNVILLE T	1 200.0	0.10	0.10	120.0	120.0	240.0	172.2	67.8
WATER FLOOD								
UPPER MANNVILLE U	1 701.0	0.10	0.15	170.0	255.0	425.0	348.5	76.5
WATER FLOOD								
UPPER MANNVILLE V	50.1	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE W	1 679.0	0.10	0.15	168.0	252.0	420.0	262.6	157.4
WATER FLOOD								
UPPER MANNVILLE CC	44.9	<0.01		0.3		0.3	0.3	
UPPER MANNVILLE II	1 223.0	0.10		122.0		122.0	70.1	51.9
UPPER MANNVILLE JJ	25.9	<0.02		0.4		0.4	0.4	
UPPER MANNVILLE MM	800.0	0.10	0.10	80.0	80.0	160.0	102.9	57.1
WATER FLOOD								
UPPER MANNVILLE OO	25.3	0.15		3.8		3.8	2.8	1.0
UPPER MANNVILLE TT	283.0	0.10		28.3		28.3	3.5	24.8
UPPER MANNVILLE UU	56.0	0.10		5.6		5.6	1.6	4.0
LOWER MANNVILLE A	134.0	<0.05		6.6		6.6	6.6	
LOWER MANNVILLE E	234.0	<0.01		0.3		0.3	0.3	
LOWER MANNVILLE H	86.0	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE J	278.0	0.04		11.1		11.1	7.8	3.3
LOWER MANNVILLE L	47.7	<0.04		1.9		1.9	1.9	
LOWER MANNVILLE M	40.3	0.10		4.0		4.0	1.8	2.2
LOWER MANNVILLE N	27.4	<0.02		0.4		0.4	0.4	
LOWER MANNVILLE P	40.2	0.20		8.0		8.0	1.4	6.6
LOWER MANNVILLE U	57.5	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE V	28.4	<0.01		0.2		0.2	0.2	
LIVINGSTONE A	91.7	<0.01		0.1		0.1	0.1	
FIELD TOTAL	19 969.9			1 567.8	1 452.2	3 019.9	1 947.5	1 072.4
LLOYDMINSTER 050-01W4								
COLONY D	188.0	0.05		9.4		9.4	7.9	1.5
COLONY E	68.8	0.10		6.9		6.9	2.8	4.1
COLONY F	300.0	0.05		15.0		15.0	8.8	6.2
COLONY G	113.0	<0.05		5.7		5.7	5.7	
COLONY H	48.0	<0.03		1.1		1.1	1.1	
COLONY I	32.0	<0.01		0.1		0.1	0.1	
COLONY J	106.0	0.05		5.3		5.3	4.2	1.1
COLONY K	40.9	0.05		2.1		2.1	1.0	1.1
COLONY N	61.6	<0.02		1.0		1.0	1.0	
COLONY O	45.7	0.05		2.3		2.3	0.7	1.6

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
96	4.27	0.200	0.33	0.90	54	934	33	12 296	-323.2	1 144.6	1975	84 09 - GPP
502					66	904	56	12 382	-340.4	1 186.2	1967	92 02
144	1.56	0.190	0.30	0.87								
358	3.07	0.190	0.30	0.87								- GPP
64	3.96	0.140	0.40	0.90	44	952	37	12 263	-308.0	1 127.0	1968	69 03 - GPP
272					44	946	37	12 238	-315.7	1 134.2	1970	93 02
32	4.90	0.270	0.40	0.90								- GPP
240	4.31	0.230	0.16	0.90								- ABAND 89 10
65	1.22	0.190	0.45	0.90	43	921	38	13 539	-306.5	1 116.7	1970	74 12
190					44	927	33	12 354	-292.3	1 097.0	1974	93 12
59	11.10	0.230	0.21	0.90								- GPP
131	9.88	0.230	0.33	0.90								
130	1.68	0.160	0.33	0.90	44	927	34	11 310	-298.7	1 106.5	1974	92 10
176					44	927	32	11 874	-301.0	1 126.0	1974	92 12
64	2.19	0.220	0.24	0.90								- GPP
112	6.10	0.220	0.26	0.90								
64	2.10	0.180	0.30	0.87	57	887	36	12 267	-354.4	1 220.9	1977	89 12
16	1.20	0.170	0.28	0.90	44	928	35	12 371	-348.8	1 154.4	1978	79 04 - ABAND 90 03
32	3.00	0.220	0.23	0.90	55	915	32	11 293	-303.0	1 095.5	1979	92 10
64	4.47	0.210	0.26	0.90	47	864	32	10 870	-327.2	1 130.8	1979	93 12 - GPP
32	2.50	0.100	0.30	0.90	68	912	36	12 288	-330.5	1 159.8	1979	85 10 - GPP
32	1.73	0.130	0.30	0.90	58	922	33	11 942	-336.8	1 162.8	1979	80 07 - ABAND 89 02
305	5.23	0.220	0.24	0.90	47	937	33	11 997	-281.7	1 076.8	1978	87 08 - GPP
85	9.20	0.240	0.29	0.90	44	927	33	12 480	-317.8	1 118.4	1975	85 06 - GPP
140	6.90	0.230	0.13	0.88	49	947	31	11 361	-312.6	1 128.7	1982	93 01 - GPP
16	3.60	0.190	0.48	0.88	56	928	34	11 341	-278.8	1 074.5	1982	83 03 - ABAND 85 10
149	7.53	0.210	0.19	0.88	49	947	32	10 791	-317.2	1 129.3	1983	91 07 - GPP
16	2.00	0.240	0.35	0.90	47	946	32	12 000	-336.1	1 169.3	1982	84 02 - ABAND 86 10
300	3.13	0.200	0.26	0.88	57	898	34	12 823	-341.7	1 194.8	1987	88 07
16	1.50	0.200	0.40	0.90	47	947	32	10 011	-300.2	1 109.4	1967	93 10 - ABAND 93 05
219	2.36	0.220	0.20	0.88	56	928	34	11 908	-297.0	1 115.7	1972	92 03 - GPP
32	1.00	0.160	0.45	0.90	47	946	32	12 599	-336.0	1 202.4	1990	91 12 - GPP
16	8.80	0.260	0.12	0.88	53	947	35		-309.6	1 127.5	1992	93 01
32	1.80	0.180	0.40	0.90	63	889	37		-336.8	1 198.1	1990	93 06
32	5.40	0.160	0.48	0.93	37	951	30	12 335	-329.2	1 140.0	1967	93 10 - ABAND 93 05
65	2.13	0.250	0.25	0.90	43	934	41	12 544	-368.7	1 215.7	1973	77 03
32	2.70	0.170	0.35	0.90	44	940	38	12 501	-351.9	1 193.8	1976	79 12
16	9.53	0.230	0.12	0.90	44	965	36	13 040	-351.2	1 197.6	1977	85 12 - GPP
16	3.00	0.170	0.35	0.90	35	950	35	12 783	-350.5	1 181.0	1979	88 12 - ABAND 83 11
32	1.00	0.200	0.30	0.90	85	970	31	12 163	-350.1	1 205.8	1979	85 12 - GPP
32	0.80	0.170	0.30	0.90	46	952	33	12 563	-352.1	1 165.4	1978	88 12
16	2.78	0.170	0.41	0.90	46	951	31	12 296	-325.0	1 136.2	1979	93 07 - GPP
16	3.80	0.185	0.45	0.93	37	952	30	12 910	-376.2	1 219.5	1981	83 08 - GPP
16	2.30	0.140	0.40	0.92	37	951	30	12 449	-354.2	1 175.8	1982	84 02
64	4.00	0.070	0.45	0.93	21	985	42	12 991	-383.1	1 212.3	1982	83 01 - ABAND 85 05
32	3.26	0.280	0.35	0.99	8	983	25	2 697	133.7	515.0	1977	88 12 - GPP
16	2.40	0.290	0.37	0.98	10	961	28	3 070	111.2	539.5	1977	92 11 - GPP
38	2.77	0.320	0.10	0.99	11	975	28	3 161	125.1	548.5	1977	80 12 - GPP
16	3.70	0.320	0.40	0.99	9	962	24	3 108	129.4	543.9	1978	93 12 - ABAND 93 03
8	2.10	0.320	0.10	0.99	10	962	28	3 101	125.2	540.6	1975	79 12 - ABAND 84 10
8	2.10	0.320	0.40	0.99	10	980	28	3 110	125.3	541.9	1977	84 12 - ABAND 90 10
32	2.00	0.280	0.40	0.99	10	981	28	3 437	108.1	542.7	1982	85 12 - GPP
4	4.30	0.320	0.25	0.99	10	970	22	3 540	119.0	591.7	1979	84 04 - GPP
8	4.90	0.270	0.40	0.97	12	988	25	3 147	122.6	545.8	1980	88 12 - ABAND 88 09
4	5.50	0.300	0.30	0.99	10	985	28	3 156	120.7	573.0	1983	84 08 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE 10 ³ m ³	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 10 ³ m ³	REMAINING ESTABLISHED RESERVES 10 ³ m ³
		PRIMARY frac	ENHANCED frac	PRIMARY 10 ³ m ³	ENHANCED 10 ³ m ³	TOTAL 10 ³ m ³		
LLOYDMINSTER 050-01W4 (CONTINUED)								
COLONY T	307.0	<0.01		0.6		0.6	0.6	
COLONY V	93.0	0.04		3.7		3.7	3.0	0.7
MCLAREN A	1 605.0	<0.02		25.2		25.2	16.1	9.1
MCLAREN D	231.0	0.03		6.9		6.9	2.8	4.1
WASECA A	141.0	0.05		7.1		7.1	0.5	6.6
SPARKY F	8 040.0	0.04		321.0		321.0	301.9	19.1
SPARKY G	19 500.0	0.05		975.0		975.0	873.7	101.3
SPARKY H	1 800.0	0.05		90.0		90.0	76.6	13.4
SPARKY J	3 180.0	0.04		127.0		127.0	99.2	27.8
SPARKY K	21 220.0	0.06		1 273.0		1 273.0	1 029.7	243.3
SPARKY L	793.0	<0.02		13.9		13.9	13.9	
SPARKY M	267.0	0.05		13.4		13.4	4.7	8.7
SPARKY N	27.8	<0.03		0.8		0.8	0.8	
SPARKY O	334.0	<0.01		0.9		0.9	0.9	
SPARKY P	651.0	0.02		13.0		13.0	10.4	2.6
SPARKY S	365.0	0.03		11.0		11.0	5.8	5.2
SPARKY T	183.0	<0.04		5.6		5.6	5.6	
SPARKY U	181.0	<0.02		3.0		3.0	3.0	
SPARKY X	2 042.0	<0.02		30.0		30.0	20.8	9.2
SPARKY EE	549.0	0.04		22.0		22.0	17.0	5.0
SPARKY FF	204.0	0.04		8.2		8.2	1.0	7.2
SPARKY KK	1 612.0	0.05		80.6		80.6	69.8	10.8
SPARKY OO	355.0	<0.01		0.2		0.2	0.2	
SPARKY QO	46.3	<0.02		0.5		0.5	0.5	
SPARKY RR	124.0	<0.02		1.3		1.3	1.3	
SPARKY SS	201.0	<0.01		0.1		0.1	0.1	
SPARKY UU	105.0	<0.01		0.1		0.1	0.1	
SPARKY WW	263.0	<0.01		0.1		0.1	0.1	
SPARKY XX	760.0	0.07		53.2		53.2	42.8	10.4
SPARKY YY	89.1	<0.01		0.2		0.2	0.2	
SPARKY C & GENERAL PETROLEUM A	24 350.0	0.06		1 461.0		1 461.0	1 391.3	69.7
SPARKY & GENERAL PETROLEUM C&D TOT	78 270.0			3 386.0	315.0	3 701.0	3 069.3	631.7
PRIMARY AREA	67 770.0	<0.04		2 861.0		2 861.0		
WATER FLOOD AREA	10 500.0	0.05	0.03	525.0	315.0	840.0		
SPARKY E & GENERAL PETROLEUM F	6 933.0	<0.07		445.0		445.0	355.9	89.1
SPARKY D & GENERAL PETROLEUM B	3 613.0	0.03		108.0		108.0	87.0	21.0
SPARKY I & GENERAL PETROLEUM K	10 300.0	<0.05		416.0		416.0	361.6	54.4
SPARKY VV & GENERAL PETROLEUM I	2 792.0	0.02		55.8		55.8	42.6	13.2
SPARKY TT & GENERAL PETROLEUM AA	681.0	0.02		13.6		13.6	7.4	6.2
SPARKY O & GENERAL PETROLEUM BB	15 000.0	<0.05		700.0		700.0	632.8	67.2
SPARKY AAA	520.0	0.04		20.8		20.8	12.7	8.1
SPARKY BBB	359.0	0.03		10.8		10.8	5.1	5.7
SPARKY EEE	126.0	<0.01		0.1		0.1		0.1
SPARKY FFF	216.0	<0.01		0.6		0.6	0.6	
SPARKY GGG	177.0	0.05		8.9		8.9	5.3	3.6
SPARKY HHH	71.0	<0.01		0.2		0.2	0.2	
SPARKY III	149.0	0.08		11.9		11.9	8.9	3.0
SPARKY JJJ	228.0	0.03		6.8		6.8	5.0	1.8
SPARKY KKK	137.0	0.05		6.9		6.9	1.0	5.9
SPARKY LLL	84.1	<0.05		3.4		3.4	3.4	
SPARKY MMM	60.9	<0.02		1.0		1.0	1.0	
SPARKY NNN	32.9	0.01		0.3		0.3	0.3	
SPARKY OOO	297.0	0.05		14.9		14.9	12.8	2.1
SPARKY PPP	49.4	<0.01		0.1		0.1	0.1	
SPARKY QOO	71.4	<0.02		1.0		1.0	1.0	
SPARKY SSS	166.0	0.04		6.6		6.6	4.6	2.0
SPARKY TTT	150.0	<0.01		0.6		0.6	0.6	
SPARKY UUU	155.0	0.05		7.8		7.8	2.0	5.8
SPARKY WWW	73.2	<0.02		1.4		1.4	1.4	
SPARKY YYY	149.0	<0.01		0.1		0.1	0.1	
SPARKY ZZZ	1 740.0	0.05		87.0		87.0	26.4	60.6
SPARKY A2A	236.0	0.05		11.8		11.8	8.8	3.0
SPARKY B2B	349.0	0.05		17.5		17.5	6.3	11.2

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
16	7.30	0.320	0.17	0.99	12	977	25	3 085	139.3	495.6	1985	86 05 - ABAND 86 11
16	2.50	0.320	0.25	0.97	13	949	26	2 969	95.4	565.0	1984	84 03
300	2.60	0.300	0.30	0.98	12	965	24	4 039	109.7	553.7	1983	92 12 - GPP
16	7.00	0.310	0.32	0.98	7	945	30	3 884	95.4	568.5	1985	85 05 - GPP
16	3.70	0.300	0.20	0.99	9	983	27	4 143	117.0	531.7	1982	82 08 - GPP
712	3.96	0.320	0.10	0.99	10	959	22	4 196	78.9	589.2	1947	77 12 - GPP
1 631	5.44	0.300	0.26	0.99	10	959	22	4 175	70.7	600.9	1963	85 12 - GPP
232	2.72	0.320	0.10	0.99	10	959	22	3 942	95.9	546.7	1961	85 12 - GPP
339	3.29	0.320	0.10	0.99	10	959	22	4 143	74.6	585.8	1956	76 12 - GPP
2 397	3.45	0.320	0.19	0.99	10	959	22	4 010	88.3	575.9	1947	89 12 - GPP
93	2.99	0.320	0.10	0.99	10	959	22	4 043	84.8	579.0	1946	86 07 - ABAND 87 06
32	2.93	0.320	0.10	0.99	10	959	22	4 133	74.9	597.3	1945	85 06 - GPP
16	0.61	0.320	0.10	0.99	10	959	22	4 148	73.5	598.6	1944	71 06 - ABAND 54 10
32	3.66	0.320	0.10	0.99	10	959	22	4 100	79.2	582.8	1939	71 06 - ABAND 56 06
64	3.78	0.320	0.15	0.99	15	980	22	4 151	74.2	589.4	1964	87 12 - GPP
32	4.00	0.320	0.10	0.99	10	959	22	4 172	71.1	599.4	1965	75 07 - GPP
32	2.01	0.320	0.10	0.99	10	959	22	4 063	83.3	574.3	1952	71 06 - ABAND 65 10
16	3.96	0.320	0.10	0.99	10	959	22	4 151	73.1	577.3	1948	71 06 - ABAND 55 01
152	5.85	0.290	0.20	0.99	6	959	22	4 913	74.1	580.2	1974	92 12 - GPP
80	3.04	0.300	0.24	0.99	10	986	22	3 573	74.9	569.1	1977	91 12 - GPP
16	5.30	0.300	0.19	0.99	12	979	21	3 456	70.7	573.6	1977	91 07 - GPP
187	3.72	0.300	0.22	0.99	12	977	24	4 026	89.7	564.4	1978	86 11 - GPP
16	8.50	0.310	0.15	0.99	9	959	23	3 724	74.8	616.3	1978	79 02
16	1.50	0.300	0.35	0.99	9	985	27	4 050	70.3	594.3	1978	83 12
16	3.30	0.300	0.21	0.99	9	972	23	4 055	74.8	572.9	1978	84 12 - ABAND 91 10
16	5.50	0.320	0.28	0.99	9	985	27	4 094	74.9	592.8	1978	79 05 - ABAND 84 07
16	2.90	0.300	0.24	0.99	9	979	27	4 330	77.3	627.1	1978	84 12 - ABAND 86 09
16	6.10	0.320	0.14	0.98	10	961	24	3 405	94.2	548.6	1978	82 12 - ABAND 85 10
108	3.20	0.280	0.19	0.97	10	982	24	4 068	94.1	565.4	1978	89 12 - GPP
16	3.00	0.280	0.33	0.99	9	982	25	3 984	103.6	528.5	1980	83 12 - ABAND 86 06
2 162	3.95	0.320	0.10	0.99	10	959	22	4 158	73.1	591.8	1948	82 12 - GPP
7 635					10	959	22	4 129	76.2	599.7	1943	91 12 - GPP
6 890	3.45	0.320	0.10	0.99								
745	4.94	0.320	0.10	0.99								
513	4.74	0.320	0.10	0.99	10	959	22	4 075	80.7	565.2	1951	79 06 - GPP
320	3.96	0.320	0.10	0.99	10	959	22	4 083	79.8	574.9	1952	75 07 - GPP
862	4.19	0.320	0.10	0.99	10	959	22	4 095	78.7	587.1	1943	79 07 - GPP
198	5.72	0.300	0.17	0.99	10	980	22	4 124	68.8	595.7	1944	90 06 - GPP
100	3.25	0.300	0.28	0.97	10	975	22	2 720	87.3	568.0	1978	92 12 - GPP
1 159	4.59	0.320	0.11	0.99	10	959	22	3 533	72.8	579.5	1944	93 10 - GPP
64	4.10	0.290	0.31	0.99	9	986	25	4 946	72.6	605.9	1980	84 12 - GPP
48	3.16	0.310	0.23	0.99	10	958	28	4 029	85.4	561.8	1980	91 03 - GPP
16	3.80	0.280	0.25	0.99	9	985	27	4 155	67.0	594.6	1981	82 08 - ABAND 83 05
32	3.10	0.290	0.24	0.99	9	988	27	4 198	73.8	614.3	1981	93 02
16	4.50	0.310	0.20	0.99	9	959	28	4 184	72.2	603.3	1982	82 11 - GPP
16	2.30	0.300	0.35	0.99	9	971	23	4 163	74.0	595.4	1982	83 01
32	2.40	0.280	0.30	0.99	10	962	22	4 131	90.8	555.2	1982	89 12
16	7.00	0.300	0.30	0.97	10	975	22	4 135	71.9	599.7	1982	85 12 - GPP
8	7.77	0.320	0.29	0.97	10	975	26	4 218	75.0	624.8	1979	93 05 - GPP
12	3.19	0.300	0.26	0.99	10	975	54	4 075	71.7	573.1	1978	91 12
4	7.00	0.330	0.32	0.97	10	975	22	4 910	74.3	618.0	1979	83 09
16	1.00	0.300	0.30	0.98	8	981	22	4 299	71.3	622.3	1983	80 03 - ABAND 84 05
32	3.50	0.330	0.18	0.98	8	941	23	3 867	88.7	556.4	1983	85 12 - GPP
16	1.50	0.300	0.30	0.98	8	981	22	4 266	72.7	625.9	1983	83 11 - ABAND 90 11
16	2.30	0.280	0.30	0.99	10	990	25	4 155	69.7	599.8	1983	92 11 - ABAND 92 08
16	5.00	0.300	0.30	0.99	9	980	27	4 143	69.0	592.3	1984	91 12 - GPP
16	4.50	0.300	0.30	0.99	10	990	22	4 015	87.7	564.8	1984	84 08 - ABAND 84 03
16	4.50	0.310	0.30	0.99	10	990	22	3 527	89.7	565.9	1984	85 07 - GPP
16	2.00	0.330	0.30	0.99	10	985	25	4 071	113.2	490.8	1979	89 12
16	4.00	0.300	0.20	0.97	10	970	27	4 186	71.6	592.0	1984	89 12
160	5.67	0.260	0.24	0.97	12	980	26	4 127	68.6	596.1	1974	86 06 - GPP
16	6.20	0.300	0.20	0.99	9	957	41	4 031	101.2	557.5	1979	80 03 - GPP
32	4.82	0.300	0.23	0.98	12	980	24	4 176	115.5	503.3	1985	88 03 - GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
LLOYDMINSTER 050-01W4 (CONTINUED)								
SPARKY C2C	94.7	<0.06		4.9		4.9	4.9	
SPARKY D2D	218.0	0.05		10.9		10.9	0.8	10.1
SPARKY E2E	570.0	0.05		28.5		28.5	16.5	12.0
SPARKY F2F	97.2	0.20		19.4		19.4	15.0	4.4
SPARKY G2G	274.0	<0.03		6.4		6.4	6.4	
SPARKY I2I	104.0	0.03		3.1		3.1	0.1	3.0
SPARKY J2J	90.2	<0.01		0.1		0.1	0.1	
SPARKY B & REX B	12 430.0	<0.06		700.0		700.0	544.8	155.2
GENERAL PETROLEUM E	184.0	<0.01		0.1		0.1	0.1	
GENERAL PETROLEUM J	2 174.0	0.05		109.0		109.0	48.2	60.8
GENERAL PETROLEUM L	46.9	<0.01		0.1		0.1	0.1	
GENERAL PETROLEUM M	1 663.0	0.05		83.2		83.2	57.8	25.4
GENERAL PETROLEUM N	1 346.0	0.05		67.3		67.3	28.4	38.9
GENERAL PETROLEUM O	55.6	<0.01		0.1		0.1	0.1	
GENERAL PETROLEUM Q	149.0	<0.01		0.7		0.7	0.7	
GENERAL PETROLEUM R	223.0	0.05		11.2		11.2	5.6	5.6
GENERAL PETROLEUM S	83.2	<0.04		2.9		2.9	2.9	
GENERAL PETROLEUM T	106.0	<0.01		0.1		0.1	0.1	
GENERAL PETROLEUM V	175.0	<0.01		0.1		0.1	0.1	
GENERAL PETROLEUM W	136.0	<0.01		0.7		0.7	0.7	
GENERAL PETROLEUM X	715.0	0.05		35.8		35.8	5.4	30.4
GENERAL PETROLEUM Y	54.7	0.04		2.2		2.2	0.1	2.1
GENERAL PETROLEUM Z	131.0	0.05		6.6		6.6	0.1	6.5
REX A	706.0	0.03		21.2		21.2	6.7	14.5
LLOYDMINSTER A	176.0	0.03		5.3		5.3	1.8	3.5
LLOYDMINSTER B	98.0	<0.03		2.3		2.3	2.3	
LLOYDMINSTER D	165.0	<0.01		0.4		0.4	0.4	
LLOYDMINSTER E	170.0	<0.01		0.1		0.1	0.1	
LLOYDMINSTER F	175.0	0.03		5.3		5.3	3.9	1.4
LLOYDMINSTER G	179.0	<0.01		0.1		0.1	0.1	
LLOYDMINSTER I	89.6	<0.01		0.5		0.5	0.5	
LLOYDMINSTER K	271.0	0.05		13.6		13.6	2.3	11.3
LLOYDMINSTER M	2 150.0	0.05		108.0		108.0	46.3	61.7
CUMMINGS A	1 639.0	0.03		49.2		49.2	42.7	6.5
CUMMINGS C	66.1	<0.01		0.5		0.5	0.5	
CUMMINGS D	238.0	0.05		11.9		11.9	2.1	9.8
CUMMINGS E	58.7	<0.01		0.1		0.1	0.1	
CUMMINGS F	169.0	<0.01		0.5		0.5	0.5	
CUMMINGS H	163.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL	241 443.0			11 254.9	315.0	11 569.9	9 541.3	2 028.6
MAJEAU 056-04W5								
LOWER MANNVILLE A	39.6	<0.01		0.3		0.3	0.3	
LOWER MANNVILLE B	62.5	<0.03		1.4		1.4	1.4	
LOWER MANNVILLE D	64.7	0.12		7.8		7.8	6.5	1.3
LOWER MANNVILLE F	147.0	0.10		14.7		14.7	1.3	13.4
BANFF B	59.3	<0.03		1.7		1.7	1.7	
BANFF C	36.6	<0.02		0.6		0.6	0.6	
BANFF I	102.0	<0.01		0.5		0.5	0.5	
WABAMUN B	106.0	<0.01		0.4		0.4	0.4	
FIELD TOTAL	617.7			27.4		27.4	12.7	14.7
MANNVILLE 051-09W4								
UPPER MANNVILLE A	826.0	0.03		24.8		24.8	11.3	13.5
UPPER MANNVILLE B	405.0	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE M	422.0	<0.01		1.3		1.3	1.3	
LOWER MANNVILLE D	151.0	<0.01		0.2		0.2	0.2	
FIELD TOTAL	1 804.0			26.5		26.5	13.0	13.5
MARWAYNE 052-02W4								
SPARKY B	149.0	<0.01		0.4		0.4	0.4	
FIELD TOTAL	149.0			0.4		0.4	0.4	
MATZIWIN 023-14W4								
PEKISKO A	569.0	0.20		114.0		114.0	111.6	2.4
PEKISKO B	166.0	<0.02		2.3		2.3	2.3	

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
16	3.39	0.200	0.10	0.97	9	995	24	3 834	106.8	511.0	1965	91 12 - ABAND 90 11
16	5.00	0.320	0.14	0.99	10	985	30	3 947	105.5	548.0	1984	89 12 - GPP
32	7.28	0.320	0.22	0.98	10	979	23	3 374	91.2	544.4	1985	87 03 - GPP
16	2.13	0.320	0.10	0.99	7	959	23	3 861	96.0	513.9	1965	93 12 - GPP
16	7.00	0.330	0.25	0.99	10	986	22	4 832	104.3	549.5	1980	92 10
16	3.35	0.280	0.30	0.99	10	930	30	3 810	79.7	601.5	1974	92 08 - GPP
16	2.70	0.300	0.29	0.98	8	981	22	3 836	75.4	605.2	1980	88 10 - ABAND 88 08
747	6.18	0.320	0.15	0.99	10	959	27	3 817	83.3	583.9	1956	91 08 - GPP
16	4.27	0.320	0.15	0.99	12	959	21	3 679	89.8	576.5	1974	88 12 - ABAND 75 09
298	2.96	0.300	0.17	0.99	10	984	25	3 714	65.9	589.0	1975	93 06 - GPP
8	2.74	0.270	0.20	0.99	9	979	27	3 992	65.1	588.1	1977	78 05 - ABAND 78 09
294	2.38	0.300	0.20	0.99	8	984	27	3 833	77.9	567.8	1977	89 12 - GPP
210	2.84	0.300	0.24	0.99	9	983	27	3 941	77.1	578.8	1977	88 12 - GPP
8	4.00	0.270	0.35	0.99	9	972	27	3 971	60.4	615.0	1979	79 10 - ABAND 80 05
4	12.70	0.330	0.10	0.99	10	970	27	4 180	60.7	607.7	1981	92 11 - ABAND 87 04
16	5.00	0.320	0.12	0.99	9	974	25	3 814	79.7	567.5	1981	82 08 - GPP
16	2.50	0.280	0.25	0.99	10	988	25	3 928	67.1	641.8	1982	89 12 - ABAND 92 06
16	3.00	0.280	0.20	0.99	9	959	22	3 664	58.5	615.2	1983	88 12 - ABAND 84 06
16	4.50	0.310	0.20	0.98	6	970	30	3 869	84.4	555.3	1984	85 07 - ABAND 85 06
16	3.50	0.310	0.21	0.99	24	930	26	4 802	74.6	571.3	1985	85 11 - ABAND 89 03
64	4.35	0.320	0.19	0.99	14	980	26	3 941	82.5	562.9	1985	86 10 - GPP
16	1.20	0.320	0.10	0.99	10	959	22	4 018	66.4	589.2	1956	90 07
16	3.20	0.310	0.16	0.98	8	981	22	3 830	65.7	622.8	1988	89 03
16	20.00	0.300	0.25	0.98	10	965	25	4 110	61.0	600.8	1952	87 09 - GPP
16	4.88	0.285	0.20	0.99	8	979	27	3 590	33.5	610.2	1973	82 12 - GPP
8	5.70	0.310	0.30	0.99	10	959	22	3 560	32.1	606.9	1974	92 12 - GPP
16	4.20	0.310	0.20	0.99	9	973	27	4 288	30.5	605.7	1977	83 12
16	4.20	0.320	0.20	0.99	11	990	25	4 311	30.2	607.8	1977	83 12 - ABAND 85 10
16	4.60	0.300	0.20	0.99	8	974	27	4 297	31.5	605.5	1974	93 12 - GPP
16	7.62	0.270	0.45	0.99	10	990	27	5 029	25.3	654.4	1978	79 04
16	2.50	0.290	0.22	0.99	22	975	25	4 341	32.1	610.0	1983	89 12
16	6.70	0.290	0.12	0.99	22	978	25	3 906	35.7	602.7	1983	84 08 - GPP
108	7.72	0.310	0.16	0.99	10	983	27	4 400	29.7	688.4	1977	85 06 - GPP
128	5.60	0.300	0.23	0.99	10	972	30	4 472	11.5	632.0	1977	93 02 - GPP
16	2.10	0.280	0.29	0.99	9	980	29	4 703	-3.5	727.5	1978	79 06 - GPP
16	6.30	0.280	0.15	0.99	9	988	29	4 462	11.3	655.2	1982	83 04 - GPP
16	1.90	0.270	0.27	0.98	9	980	29	4 263	-6.7	697.8	1983	83 11 - ABAND 84 05
16	4.50	0.300	0.21	0.99	90	973	29	3 933	14.4	647.8	1979	88 12
16	4.20	0.310	0.21	0.99	9	972	29	4 793	13.0	635.2	1987	87 11 - ABAND 87 10
32	1.40	0.170	0.35	0.80	145	920	32	9 823	-535.5	1 223.1	1981	84 12 - ABAND 85 07
16	5.00	0.140	0.38	0.90	70	921	58	9 741	-541.8	1 245.0	1980	88 12
32	2.50	0.150	0.35	0.83	66	934	49	9 631	-548.9	1 249.6	1979	91 12 - GPP
32	4.07	0.172	0.27	0.90	38	921	46	9 612	-540.6	1 244.8	1980	87 03
16	4.27	0.160	0.39	0.89	43	898	44	10 576	-597.1	1 322.5	1974	92 12 - ABAND 92 12
64	1.30	0.100	0.45	0.80	87	903	32	10 652	-541.0	1 210.3	1982	83 02 - ABAND 86 02
16	7.20	0.140	0.30	0.90	43	961	43	13 321	-563.6	1 234.1	1985	92 10 - ABAND 92 08
32	8.50	0.090	0.51	0.88	51	889	47	10 561	-674.6	1 388.3	1983	87 03 - ABAND 91 02
80	4.88	0.300	0.28	0.98	10	972	33	5 012	-2.1	627.4	1971	82 12 - GPP
65	2.74	0.310	0.25	0.98	10	979	33	4 918	0.5	619.5	1971	72 12 - ABAND 72 05
65	3.05	0.310	0.30	0.98	10	979	21	3 576	39.7	586.7	1974	78 01
16	3.90	0.320	0.23	0.98	6	990	30	5 602	-59.3	719.0	1981	82 04 - ABAND 85 08
16	3.50	0.320	0.16	0.99	8	985	25	3 978	120.3	522.8	1978	92 10
287	5.52	0.070	0.43	0.90	53	915	35	10 053	-319.0	1 020.9	1962	92 02 - GPP
32	6.25	0.132	0.30	0.90	53	892	35	9 948	-301.5	1 008.6	1960	67 02 - ABAND 71 11

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
MATZIWIN 023-14W4 (CONTINUED) FIELD TOTAL *	735.0			116.3		116.3	113.9	2.4
MEDICINE HAT 012-05W4								
GLAUCONITIC C	30 920.0	0.03		928.0		928.0	683.6	244.4
LOWER MANNVILLE A	130.0	0.15		19.5		19.5	15.4	4.1
LOWER MANNVILLE C	127.0	0.15		19.1		19.1	13.1	6.0
LOWER MANNVILLE I	252.0	0.05		12.6		12.6	6.5	6.1
LOWER MANNVILLE K	70.3	0.10		7.0		7.0	2.0	5.0
FIELD TOTAL	31 499.3			986.2		986.2	720.6	265.6
MEDICINE RIVER 039-03W5								
ELKTON-SHUNDA A	318.0	<0.04		12.0		12.0	12.0	
ELKTON-SHUNDA B	1 352.0	0.15		203.0		203.0	111.7	91.3
FIELD TOTAL *	1 670.0			215.0		215.0	123.7	91.3
MOONEY 072-07W5								
BLUESKY A	1 074.0	0.10		107.0		107.0	28.4	78.6
FIELD TOTAL	1 074.0			107.0		107.0	28.4	78.6
MORGAN 051-04W4								
SPARKY B	109.0	0.05		5.5		5.5	0.2	5.3
WAINWRIGHT A	112.0	0.04		4.5		4.5	2.8	1.7
LLOYDMINSTER B	435.0	0.03		13.1		13.1	4.0	9.1
LLOYDMINSTER D	465.0	0.02		9.3		9.3	1.6	7.7
LLOYDMINSTER A & SPARKY A	77 670.0	0.02		1 553.0		1 553.0	1 113.9	439.1
DINA A	159.0	<0.01		0.2		0.2	0.2	
FIELD TOTAL	78 950.0			1 585.6		1 585.6	1 122.7	462.9
NORRIS 053-18W4								
UPPER MANNVILLE H	588.0	0.10		58.8		58.8	21.2	37.6
GLAUCONITIC A	82.1	<0.01		0.6		0.6	0.6	
FIELD TOTAL *	670.1			59.4		59.4	21.8	37.6
OYEN 029-05W4								
BANFF A	14.3	0.15		2.1		2.1	0.2	1.9
FIELD TOTAL	14.3			2.1		2.1	0.2	1.9
PADDLE RIVER 057-08W5								
RUNDLE	6 040.0	<0.04		203.6		203.6	203.6	
FIELD TOTAL *	6 040.0			203.6		203.6	203.6	
PARADISE 047-02W4								
CUMMINGS A	100.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL	100.0			0.1		0.1	0.1	
PENDANT D'OREILLE 003-08W4								
MANNVILLE D	106.0	<0.02		1.2		1.2	1.2	
MANNVILLE L	96.9	<0.01		0.1		0.1		0.1
FIELD TOTAL *	202.9			1.3		1.3	1.2	0.1
PLAIN 053-12W4								
COLONY E	247.0	<0.03		5.0		5.0	4.1	0.9
FIELD TOTAL	247.0			5.0		5.0	4.1	0.9
PRINCESS 020-11W4								
GLAUCONITIC A	128.0	<0.01		0.1		0.1	0.1	
BASAL MANNVILLE E	233.0	0.05		11.7		11.7	4.5	7.2
BASAL MANNVILLE I	235.0	0.10		23.5		23.5	9.7	13.8

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
2 576 40 64 112 16	8.66 2.55 2.10 2.75 2.44	0.220 0.230 0.210 0.150 0.230	0.30 0.43 0.50 0.40 0.14	0.90 0.97 0.90 0.91 0.91	45 9 44 37 35	960 960 958 945 979	26 31 27 30 32	10 097 10 096 10 149 10 293 10 607	-109.8 -113.4 -113.6 -101.9 -129.9	825.9 886.8 888.2 918.7 1 032.7	1981 1978 1979 1976 1977	87 10 90 12 - GPP 93 12 - GPP 84 11 - GPP 84 09
64 620	7.21 5.77	0.100 0.080	0.18 0.37	0.84 0.75	75 59	915 940	71 70	17 097 18 478	-1 289.6 -1 317.0	2 248.5 2 291.1	1961 1973	83 12 - GPP 92 12 - GPP
144	4.62	0.247	0.24	0.86	2	953	20	5 856	-100.2	915.5	1986	88 09 - GPP
16 16 24 16 3 540 16	3.30 4.00 7.71 10.80 8.45 4.50	0.280 0.200 0.300 0.320 0.316 0.300	0.25 0.10 0.20 0.15 0.17 0.25	0.98 0.97 0.98 0.99 0.99 0.98	8 9 10 12 7 10	981 990 980 990 990 980	22 24 25 25 21 25	3 540 3 420 3 416 3 414 3 673 4 094	95.3 48.5 47.2 47.4 66.8 8.2	527.3 556.0 558.9 564.0 555.1 595.1	1983 1965 1983 1984 1962 1983	88 10 - GPP 86 12 - GPP 92 12 85 04 - GPP 92 12 - GPP 84 03 - ABAND 84 07
144 16	3.15 3.10	0.230 0.280	0.36 0.35	0.88 0.91	30 40	918 930	35 29	5 780 5 819	-179.8 -182.6	857.8 861.0	1979 1980	93 01 - GPP 81 09 - ABAND 82 03
16	1.00	0.180	0.45	0.90	42	969	32	7 839	-111.3	902.5	1989	89 12
1 616	6.92	0.075	0.20	0.90	39	959	63	12 393	-823.0	1 568.2	1956	71 12
16	2.47	0.320	0.20	0.99	9	990	27	5 420	-10.8	639.0	1977	87 12 - ABAND 89 03
16 32	6.40 3.60	0.210 0.180	0.40 0.43	0.82 0.82	80 28	910 923	38 33	8 455 7 964	10.0 41.0	863.7 857.5	1968 1977	75 10 - ABAND 74 10 88 12 - ABAND 86 05
64	2.20	0.280	0.34	0.95	11	927	29	5 005	68.8	617.1	1974	89 12 - GPP
32 64 64	3.90 3.05 3.26	0.200 0.200 0.220	0.46 0.33 0.43	0.95 0.89 0.90	17 53 40	914 915 892	35 33 32	10 004 9 400	-216.5 -227.3 -234.9	993.4 973.7 998.7	1991 1941 1965	92 06 - ABAND 92 03 93 02 - GPP 82 11 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
PRINCESS O20-11W4 (CONTINUED)								
BASAL MANNVILLE O	170.0	0.05		8.5		8.5	1.9	6.6
BASAL MANNVILLE P	1 261.0	0.05		63.1		63.1	54.3	8.8
BASAL MANNVILLE Q	192.0	<0.02		2.8		2.8	2.8	
BASAL MANNVILLE R	248.0	<0.01		1.3		1.3	1.3	
BASAL MANNVILLE U	137.0	<0.01		0.2		0.2	0.2	
BASAL MANNVILLE V	182.0	0.10		18.2		18.2	9.6	8.6
BASAL MANNVILLE W	80.2	<0.06		4.7		4.7	4.7	
BASAL MANNVILLE X	122.0	<0.01		0.3		0.3	0.3	
BASAL MANNVILLE AA	161.0	<0.01		0.5		0.5	0.5	
PEKISKO A	1 712.0	0.15		257.0		257.0	241.8	15.2
PEKISKO C	55.1	<0.01		0.3		0.3	0.3	
PEKISKO F	65.5	<0.02		0.8		0.8	0.8	
PEKISKO G	187.0	<0.01		1.1		1.1	1.1	
PEKISKO H	28.3	<0.04		0.9		0.9	0.9	
PEKISKO I	71.8	<0.01		0.6		0.6	0.6	
PEKISKO J	150.0	0.10		15.0		15.0	1.8	13.2
PEKISKO K	131.0	<0.12		14.7		14.7	14.7	
JEFFERSON A	531.0	0.10		53.1		53.1	53.1	
FIELD TOTAL	6 080.9			478.4		478.4	405.0	73.4
PROVOST O36-07W4								
MANNVILLE V	185.0	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE A	10 100.0	0.03		303.0		303.0	211.2	91.8
UPPER MANNVILLE B	41 940.0	0.05		2 097.0		2 097.0	1 300.2	796.8
UPPER MANNVILLE C	1 000.0	0.07		70.0		70.0	59.3	10.7
UPPER MANNVILLE E	133.0	0.10		13.3		13.3	10.1	3.2
UPPER MANNVILLE M	250.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE O	44.2	<0.03		1.3		1.3	1.3	
UPPER MANNVILLE U	39.1	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE V	75.0	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE X	33.5	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE BB	17 420.0	0.08		1 394.0		1 394.0	745.0	649.0
UPPER MANNVILLE CC	70.2	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE JJ	91.3	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE KK	112.0	<0.01		0.1		0.1		0.1
UPPER MANNVILLE LL	44.7	<0.01		0.4		0.4	0.4	
UPPER MANNVILLE VV	33.6	<0.01		0.3		0.3	0.3	
UPPER MANNVILLE XX	53.9	<0.06		3.0		3.0	3.0	
UPPER MANNVILLE YY	164.0	0.11		18.0		18.0	16.4	1.6
UPPER MANNVILLE EZE, & LOWER MANN FF	44.4	0.02		0.9		0.9	0.8	0.1
UPPER MANNVILLE FFF	226.0	0.25		56.5		56.5	12.1	44.4
UPPER MANNVILLE III	213.0	0.05		10.7		10.7	6.5	4.2
UPPER MANNVILLE KKK	226.0	0.02		4.5		4.5	3.6	0.9
UPPER MANNVILLE LLL	181.0	0.05		9.1		9.1	3.1	6.0
UPPER MANNVILLE MMM	171.0	0.10		17.1		17.1	7.5	9.6
UPPER MANNVILLE NNN	47.8	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE QQQ	292.0	0.05		14.6		14.6	2.8	11.8
UPPER MANNVILLE RRR	1 594.0	0.10		159.0		159.0	45.0	114.0
UPPER MANNVILLE SSS	371.0	0.10		37.1		37.1	18.6	18.5
UPPER MANNVILLE TTT	40.0	0.07		2.8		2.8	2.8	
UPPER MANNVILLE UUU	129.0	0.10		12.9		12.9	2.6	10.3
UPPER MANNVILLE YYY	48.8	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE S2S	116.0	<0.02		1.6		1.6	1.6	
UPPER MANNVILLE T2T	125.0	0.05		6.3		6.3	5.1	1.2
UPPER MANNVILLE V2V	39.3	<0.04		1.4		1.4	1.4	
UPPER MANNVILLE W2W	61.6	0.05		3.1		3.1	3.1	
UPPER MANNVILLE X2X	43.7	<0.02		0.8		0.8	0.8	
UPPER MANNVILLE Y2Y	393.0	0.05		19.6		19.6	2.0	17.6
UPPER MANNVILLE Z2Z	536.0	0.05		26.8		26.8	2.5	24.3
UPPER MANNVILLE A3A	135.0	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE B3B	245.0	0.02		4.9		4.9	3.0	1.9
UPPER MANNVILLE C3C	133.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE F3F	493.0	0.02		9.9		9.9	4.4	5.5
UPPER MANNVILLE W3W	381.0	0.05		19.1		19.1	5.6	13.5
UPPER MANNVILLE X3X	163.0	0.05		8.2		8.2	3.5	4.7
UPPER MANNVILLE Y3Y	158.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE A4A	13.0	0.10		1.3		1.3	0.6	0.7
UPPER MANNVILLE D4D	285.0	0.05		14.3		14.3	0.4	13.9
UPPER MANNVILLE E4E	66.4	<0.01		0.1		0.1	0.1	

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
16	8.53	0.220	0.39	0.93	32	940	34	10 469	-255.6	1 004.5	1972	92 05 - GPP
195	5.29	0.219	0.38	0.90	46	910	37	10 009	-235.8	969.2	1972	89 12 - GPP
32	5.56	0.207	0.42	0.90	48	892	33	10 432	-264.9	1 021.7	1972	92 11 - ABAND 83 12
64	4.03	0.184	0.42	0.90	47	927	33	9 186	-230.4	964.4	1972	75 12 - ABAND 81 11
32	4.40	0.180	0.40	0.90	42	922	32	10 281	-222.2	969.7	1982	83 09 - ABAND 88 06
16	11.20	0.190	0.40	0.89	45	928	33	10 486	-220.1	972.0	1983	91 12 - GPP
32	1.75	0.230	0.30	0.89	47	923	33	10 474	-225.8	972.6	1983	85 12 - ABAND 90 04
32	4.80	0.170	0.48	0.90	42	918	31	10 401	-220.8	994.0	1986	86 06 - ABAND 90 02
16	6.90	0.260	0.41	0.95	19	941	32		-211.8	969.6	1992	93 10 - ABAND 92 11
544	6.01	0.070	0.15	0.88	50	881	31	11 044	-233.6	1 012.7	1946	81 12 - GPP
16	8.70	0.110	0.60	0.90	44	945	31	10 528	-230.5	1 025.0	1982	88 12 - ABAND 83 06
32	5.00	0.123	0.63	0.90	43	910	32	11 021	-250.3	1 043.5	1986	92 09 - ABAND 90 08
32	8.00	0.140	0.45	0.95	19	919	33		-237.8	1 017.6	1991	92 06 - ABAND 92 03
32	3.70	0.070	0.64	0.95	19	929	34	9 434	-239.6	1 025.9	1991	92 11 - ABAND 92 09
16	15.00	0.090	0.65	0.95	16	914	41	9 449	-241.5	1 036.5	1991	92 08 - ABAND 92 01
32	9.00	0.110	0.50	0.95	20	900	28	8 861	-230.8	982.0	1992	92 06 - GPP
64	3.60	0.100	0.40	0.95	43	900	32		-228.3	1 009.5	1945	93 07 - ABAND 53 02
					45	892	38	11 070	-466.0	1 208.5	1944	67 01 - ABAND 69 09
16	4.78	0.300	0.15	0.95	20	934	30	5 842	-114.0	787.9	1977	83 12
1 048	4.14	0.300	0.20	0.97	12	965	27	6 001	-105.9	780.0	1969	81 12 - GPP
1 593	10.30	0.310	0.15	0.97	11	979	24	5 912	-85.3	782.4	1952	93 08 - GPP
112	4.38	0.300	0.30	0.97	16	921	26	5 882	-75.0	780.6	1973	89 12 - GPP
32	3.06	0.253	0.42	0.92	23	915	32	6 229	-100.6	817.8	1977	91 12 - GPP
16	6.55	0.300	0.18	0.97	14	972	27	6 257	-118.5	822.7	1978	78 12
16	2.47	0.210	0.45	0.97	9	952	34	8 494	-265.2	1 040.9	1977	78 10
16	2.10	0.240	0.50	0.97	12	969	30	6 064	-172.4	915.5	1977	80 11
16	2.30	0.350	0.40	0.97	13	960	30	9 288	-107.6	801.3	1979	80 12
16	1.60	0.270	0.50	0.97	12	980	27	7 267	-115.5	788.0	1980	81 04 - ABAND 81 09
937	7.79	0.300	0.18	0.97	10	980	26	5 448	-33.9	748.4	1977	92 04 - GPP
16	2.60	0.290	0.40	0.97	12	990	27	6 226	-115.3	782.7	1980	81 07 - ABAND 86 01
8	6.00	0.280	0.30	0.97	12	980	23	5 451	-40.2	739.8	1981	93 12 - ABAND 93 05
16	3.20	0.300	0.25	0.97	14	980	29	5 993	-105.0	820.4	1981	83 12 - ABAND 83 11
16	2.00	0.240	0.40	0.97	17	960	26	6 717	-142.2	933.8	1981	81 10
16	1.70	0.250	0.49	0.97	10	988	29	5 773	-45.0	772.7	1982	82 09 - ABAND 92 05
32	1.00	0.270	0.35	0.96	16	934	30	5 161	-100.0	768.5	1981	83 12 - ABAND 88 11
80	1.71	0.230	0.45	0.95	17	945	33	5 723	-113.5	778.2	1978	93 12 - GPP
16	3.20	0.170	0.40	0.85	24	872	41	7 369	-305.0	1 156.1	1974	92 12
12	12.38	0.230	0.32	0.97	9	957	34	6 699	-160.9	914.8	1983	91 01 - GPP
64	2.87	0.230	0.48	0.97	11	922	28	5 898	-137.6	881.1	1983	85 01 - GPP
64	2.50	0.270	0.45	0.95	11	889	31	6 099	-109.5	789.8	1984	88 12 - GPP
32	4.50	0.240	0.46	0.97	11	904	32	6 716	-168.1	931.8	1984	85 01 - GPP
32	3.20	0.290	0.40	0.96	15	911	27	6 950	-96.4	886.1	1984	85 03 - GPP
16	2.00	0.280	0.45	0.97	11	950	32	6 294	-53.6	759.0	1981	87 12
32	8.00	0.235	0.50	0.97	11	910	32	5 800	-98.0	833.6	1984	85 04 - GPP
249	3.88	0.270	0.37	0.97	12	990	27	5 510	-95.3	779.6	1983	92 12 - GPP
12	12.39	0.310	0.17	0.97	10	980	30	5 353	-44.5	752.7	1984	88 11 - GPP
32	2.00	0.190	0.63	0.89	45	898	34	5 935	-115.8	799.5	1984	92 10 - ABAND 92 07
32	5.20	0.190	0.54	0.89	45	898	35	6 074	-117.4	802.3	1984	85 08 - GPP
16	3.00	0.230	0.54	0.96	15	910	30	5 481	-95.4	778.3	1984	85 10 - ABAND 85 10
16	4.60	0.270	0.40	0.97	15	979	26	5 593	-31.1	743.3	1981	88 12
16	3.60	0.290	0.23	0.97	15	990	26	5 570	-112.2	766.8	1980	86 12
16	1.50	0.260	0.35	0.97	15	980	29	5 873	-112.1	817.0	1981	88 12 - ABAND 89 10
16	2.10	0.270	0.30	0.97	12	965	28	5 730	-127.6	844.8	1977	89 12 - ABAND 92 06
16	1.80	0.230	0.32	0.97	13	959	28	5 750	-143.0	885.8	1977	77 06 - ABAND 87 03
200	4.70	0.180	0.73	0.86	55	874	38	6 480	-306.1	1 150.4	1984	87 04 - GPP
32	12.37	0.230	0.36	0.92	32	916	32	6 811	-221.0	961.8	1982	89 04
64	1.80	0.200	0.35	0.90	40	860	32	5 884	-142.4	877.6	1984	85 10 - ABAND 88 06
32	5.50	0.290	0.49	0.94	24	908	24	4 600	-67.2	759.3	1985	86 04 - GPP
64	2.00	0.250	0.55	0.92	31	820	26	5 745	-89.6	798.0	1985	86 06 - ABAND 86 11
64	6.90	0.230	0.50	0.97	12	994	27	5 868	-111.1	805.1	1985	87 12 - GPP
32	6.40	0.280	0.30	0.95	11	905	28	5 380	-35.8	701.0	1984	88 05 - GPP
16	5.00	0.260	0.19	0.97	13	985	31	5 313	-34.6	694.4	1987	88 06 - GPP
16	10.80	0.170	0.44	0.96	13	985	31	7 165	-258.1	1 045.4	1987	92 03 - ABAND 92 01
16	0.80	0.180	0.41	0.96	13	985	31	7 250	-204.0	955.9	1988	89 03 - GPP
16	7.20	0.290	0.11	0.96	13	985	31	5 262	-34.9	694.1	1987	89 08
16	2.00	0.270	0.20	0.96	13	985	31	5 281	-20.1	688.6	1988	89 08 - ABAND 89 05

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
PROVOST 036-07W4 (CONTINUED)								
UPPER MANNVILLE L4L	137.0	0.10		13.7		13.7	3.8	9.9
UPPER MANNVILLE U2U & LLOYDMINSTER T	1 020.0	0.10		102.0		102.0	26.0	76.0
UPPER MANNVILLE J5J	57.6	0.10		5.8		5.8	1.6	4.2
UPPER MANNVILLE U5U	201.0	0.10		20.1		20.1	9.5	10.6
UPPER MANNVILLE Y5Y	316.0	0.15		47.4		47.4	7.2	40.2
UPPER MANNVILLE M6M	996.0	0.10		99.6		99.6	34.2	65.4
UPPER MANNVILLE N6N	226.0	0.05		11.3		11.3	2.3	9.0
UPPER MANNVILLE O6O	196.0	0.05		9.8		9.8	1.1	8.7
UPPER MANNVILLE P6P	113.0	0.15		17.0		17.0	1.3	15.7
COLONY A	81.9	<0.01		0.5		0.5	0.5	
COLONY B	309.0	<0.01		0.1		0.1	0.1	
COLONY D	24.3	<0.01		0.2		0.2	0.2	
COLONY F	46.0	0.07		3.2		3.2	2.2	1.0
COLONY G	52.7	<0.01		0.3		0.3	0.3	
COLONY H	374.0	0.05		18.7		18.7	7.8	10.9
COLONY C &	90.6	<0.02		1.8		1.8	1.8	
LLOYDMINSTER BBB								
SPARKY A	103.0	0.05		5.2		5.2	3.1	2.1
SPARKY B	106.0	0.05		5.3		5.3	1.7	3.6
SPARKY C	47.1	0.10		4.7		4.7	2.6	2.1
SPARKY D	78.1	0.10		7.8		7.8	6.2	1.6
SPARKY E	35.1	0.10		3.5		3.5	2.4	1.1
SPARKY F	58.8	0.05		2.9		2.9	1.6	1.3
SPARKY G	15.8	0.25		4.0		4.0	2.1	1.9
SPARKY I	46.6	0.10		4.7		4.7	0.6	4.1
GENERAL PETROLEUM A	31.1	<0.01		0.1		0.1	0.1	
GENERAL PETROLEUM B	459.0	0.03		13.8		13.8	5.0	8.8
LLOYDMINSTER A	684.0	<0.02		7.3		7.3	7.3	
LLOYDMINSTER G	99.8	<0.01		0.1		0.1	0.1	
LLOYDMINSTER H	88.9	0.20		17.8		17.8	13.1	4.7
LLOYDMINSTER I	60.5	0.05		3.0		3.0	1.1	1.9
LLOYDMINSTER L	95.5	<0.01		0.8		0.8	0.8	
LLOYDMINSTER N	248.0	<0.01		0.5		0.5	0.5	
LLOYDMINSTER O TOTAL	9 361.0			964.0	2 361.0	3 325.0	2 146.5	1 178.5
PRIMARY AREA	550.0	0.15		82.5		82.5		
WATER FLOOD AREA	8 811.0	0.10	0.26	881.0	2 361.0	3 242.0		
LLOYDMINSTER P	36.8	0.10		3.7		3.7	2.3	1.4
LLOYDMINSTER Q	40.7	0.10		4.1		4.1	0.1	4.0
LLOYDMINSTER R	503.0	0.05		25.2		25.2	11.4	13.8
LLOYDMINSTER U	493.0	0.15		74.0		74.0	32.8	41.2
LLOYDMINSTER W	279.0	0.05		14.0		14.0	7.0	7.0
LLOYDMINSTER AA	1 259.0	0.10		126.0		126.0	71.4	54.6
LLOYDMINSTER CC	287.0	0.15		43.1		43.1	4.7	38.4
LLOYDMINSTER DD TOTAL	2 992.0			396.0	897.0	1 293.0	617.6	675.4
PRIMARY AREA	354.0	0.15		53.1		53.1		
WATER FLOOD AREA	2 638.0	0.13	0.34	343.0	897.0	1 240.0		
LLOYDMINSTER EE	404.0	0.08		32.3		32.3	26.0	6.3
LLOYDMINSTER GG	116.0	0.06		7.0		7.0	5.5	1.5
LLOYDMINSTER HH	77.6	0.10		7.8		7.8	3.3	4.5
LLOYDMINSTER II	45.6	0.15		6.8		6.8	2.9	3.9
LLOYDMINSTER LL	505.0	0.10		50.5		50.5	28.6	21.9
LLOYDMINSTER MM	252.0	0.15		37.8		37.8	13.3	24.5
LLOYDMINSTER NN	91.6	0.10		9.2		9.2	4.2	5.0
LLOYDMINSTER OO	29.0	0.15		4.4		4.4	3.5	0.9
LLOYDMINSTER PP	74.5	0.10	0.15	7.5	11.2	18.7	8.2	10.5
WATER FLOOD								
LLOYDMINSTER QQ	458.0	0.10		45.8		45.8	9.1	36.7
LLOYDMINSTER SS	42.0	0.20		8.4		8.4	2.5	5.9
LLOYDMINSTER TT	31.4	0.20		6.3		6.3	3.2	3.1
LLOYDMINSTER UU	1 623.0	0.20		325.0		325.0	57.4	267.6
LLOYDMINSTER VV	128.0	0.20		25.6		25.6	13.1	12.5
LLOYDMINSTER WW	20.3	0.20		4.1		4.1	2.9	1.2
LLOYDMINSTER YY	117.0	0.10		11.7		11.7	2.4	9.3
CUMMINGS N & LLOYDMINSTER S & X	2 389.0	0.08		191.0		191.0	115.3	75.7
GLAUCONITIC C	278.0	0.10		27.8		27.8	3.8	24.0
GLAUCONITIC D	110.0	0.25		27.5		27.5	3.4	24.1
GLAUCONITIC E	64.2	0.15		9.6		9.6		9.6
CUMMINGS B	62.7	<0.01		0.1		0.1	0.1	

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
16	5.40	0.240	0.31	0.96	13	985	31	6 768	-221.2	958.3	1988	89 11 - GPP
394	1.91	0.220	0.33	0.92	32	871	32	6 288	-185.5	946.5	1985	89 10
16	3.10	0.220	0.45	0.96	13	985	31	5 977	-162.7	910.0	1990	90 10 - GPP
85	1.88	0.220	0.38	0.92	13	985	31	6 077	-202.6	949.4	1991	91 07 - GPP
64	3.50	0.250	0.38	0.91	33	869	39	6 692	-193.8	957.2	1991	93 02 - GPP
590	1.28	0.230	0.37	0.91	34	865	34	6 871	-202.6	979.8	1991	92 05 - GPP
64	3.40	0.190	0.40	0.91	35	892	32	6 898	-211.0	999.1	1978	91 07 - GPP
16	8.40	0.220	0.27	0.91	34	865	34	5 703	-185.3	929.8	1992	93 04 - GPP
16	8.00	0.180	0.49	0.96	13	985	31	6 751	-256.8	983.5	1992	92 08
16	4.00	0.240	0.45	0.97	12	930	27	4 884	-23.2	691.5	1982	88 12
16	8.00	0.300	0.17	0.97	12	976	28	5 437	-26.1	699.0	1983	85 12 - ABAND 86 10
16	1.30	0.250	0.48	0.90	20	960	29	5 285	-23.1	698.7	1987	88 03 - ABAND 89 05
32	0.90	0.280	0.40	0.95	20	900	29	5 522	-50.5	742.0	1989	93 12 - GPP
16	2.00	0.300	0.39	0.90	47	948	25	4 880	-29.8	706.8	1988	90 10 - ABAND 91 08
64	3.20	0.280	0.25	0.87	54	863	26	6 541	-81.5	821.9	1990	91 05
16	3.66	0.290	0.42	0.92	10	918	31		-15.4	719.9	1985	93 12 - ABAND 93 05
16	5.00	0.240	0.44	0.96	15	920	27	4 921	-59.2	727.9	1986	87 08 - GPP
16	4.00	0.250	0.31	0.96	13	985	31	6 103	-53.9	749.8	1985	89 03 - GPP
16	1.50	0.280	0.27	0.96	13	985	31	6 233	-70.2	739.6	1988	89 03 - GPP
40	1.20	0.220	0.23	0.96	13	985	31	6 200	-55.9	757.6	1988	90 12 - GPP
16	1.50	0.250	0.39	0.96	13	985	31	6 329	-77.1	751.9	1988	89 03 - GPP
16	2.70	0.270	0.44	0.90	37	890	30	6 606	-108.7	847.7	1988	90 06 - GPP
4	1.80	0.290	0.21	0.96	13	985	31	5 857	-92.4	852.4	1992	92 05 - GPP
16	1.50	0.290	0.31	0.97	10	914	28		-43.5	739.3	1992	93 05 - GPP
16	1.40	0.260	0.45	0.97	11	944	28	7 312	-84.6	772.7	1983	88 01 - ABAND 91 02
32	7.70	0.280	0.30	0.95	18	889	34	5 978	-116.2	856.2	1988	89 01 - GPP
64	7.70	0.220	0.35	0.97	38	905	17	6 305	-136.8	806.3	1979	82 12 - ABAND 91 04
16	3.50	0.330	0.40	0.90	42	964	30	6 254	-131.7	905.8	1984	84 11 - ABAND 84 09
32	1.50	0.290	0.29	0.90	27	902	28	5 270	-92.8	792.6	1984	93 04 - GPP
32	1.00	0.300	0.30	0.90	42	902	30	5 187	-96.1	789.0	1984	84 05
16	3.70	0.280	0.40	0.96	25	937	30	5 657	-117.7	782.9	1984	85 03 - ABAND 87 11
48	3.01	0.300	0.41	0.97	11	970	30	5 693	-108.3	790.9	1984	92 10
1 241					17	911	28	5 486	-87.6	792.4	1975	93 12
1 110	2.09	0.300	0.17	0.96								- GPP
1 131	3.25	0.300	0.15	0.94								- GPP
16	1.20	0.300	0.29	0.90	25	902	26	5 065	-95.7	759.1	1984	89 12 - GPP
16	1.30	0.320	0.32	0.90	43	900	27	5 057	-94.7	782.9	1984	86 08
64	4.30	0.290	0.35	0.97	15	880	28	5 634	-115.4	807.8	1986	86 11 - GPP
40	4.91	0.300	0.12	0.95	11	904	28	4 336	-90.7	793.1	1987	93 07 - GPP
64	1.99	0.300	0.23	0.95	21	900	28	5 690	-106.4	780.2	1987	92 05 - GPP
235	3.23	0.280	0.37	0.94	22	905	27	6 251	-107.2	779.9	1988	89 10 - GPP
76	2.26	0.290	0.40	0.96	10	918	31	6 248	-106.8	774.5	1988	93 03 - GPP
333					44	931	28	5 583	-91.1	769.0	1969	93 12 - GPP
64	2.46	0.290	0.20	0.97								
269	4.32	0.300	0.22	0.97								
65	2.70	0.300	0.20	0.96	23	910	24	5 228	-82.0	747.4	1969	93 12 - GPP
32	2.19	0.280	0.39	0.97	10	908	31	5 375	-91.0	764.8	1985	93 12 - GPP
16	2.00	0.300	0.14	0.94	22	905	27	5 166	-92.8	782.0	1987	93 12 - GPP
16	2.20	0.270	0.50	0.96	10	918	31	5 628	-120.7	801.4	1989	93 12 - GPP
32	6.30	0.310	0.14	0.94	22	905	27	5 213	-98.9	790.7	1990	90 09 - GPP
16	5.77	0.320	0.12	0.97	10	918	31	6 235	-105.3	795.4	1990	93 03 - GPP
38	1.20	0.280	0.26	0.97	10	918	31	5 132	-93.6	781.1	1990	93 10
4	3.30	0.290	0.22	0.97	10	919	31	5 972	-76.3	751.1	1989	90 12
16	2.00	0.300	0.20	0.97	14	969	26	5 557	-88.1	770.8	1991	93 09 - GPP
32	6.42	0.300	0.21	0.94	22	905	27	7 147	-179.8	954.2	1991	92 09
4	6.80	0.300	0.47	0.97	10	919	31		-107.0	779.6	1992	92 09 - GPP
12	1.26	0.330	0.33	0.94	20	893	29		-100.5	819.5	1989	92 10
232	3.18	0.310	0.22	0.91	33	900	33	7 362	-189.3	973.4	1992	93 10 - GPP
34	2.12	0.300	0.39	0.97	12	994	27	5 630	-127.5	791.6	1992	93 12 - GPP
4	2.10	0.300	0.17	0.97	12	994	27			779.4	1992	93 10 - GPP
16	4.70	0.230	0.29	0.95	11	905	28	5 832	-180.5	931.4	1991	92 07 - GPP
325	4.57	0.290	0.41	0.94	15	920	32	5 694	-108.6	788.8	1985	92 10 - GPP
32	6.00	0.230	0.35	0.97	30	894	35	6 160	-295.9	1 026.0	1992	93 10 - GPP
16	5.00	0.240	0.39	0.94	27	892	33	5 503	-198.1	961.8	1991	93 02 - GPP
16	2.50	0.280	0.37	0.91	34	865	34	6 724	-204.8	969.3	1992	93 04
64	1.00	0.170	0.40	0.96	18	888	28	7 258	-160.3	946.2	1979	83 12

TABLE 2-6

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
PROVOST 036-07W4 (CONTINUED)								
CUMMINGS C	243.0	<0.01		0.1		0.1	0.1	
CUMMINGS D	14.3	<0.01		0.1		0.1	0.1	
CUMMINGS H	15.5	<0.02		0.3		0.3	0.3	
CUMMINGS I	10 510.0	0.30		3 153.0		3 153.0	1 242.0	1 911.0
CUMMINGS J	80.0	0.08		6.4		6.4	4.2	2.2
CUMMINGS L	140.0	0.01		1.4		1.4	1.4	
CUMMINGS S	1 971.0	0.20		394.0		394.0	175.2	218.8
CUMMINGS U	137.0	<0.01		0.1		0.1	0.1	
CUMMINGS V	200.0	0.10		20.0		20.0	13.8	6.2
CUMMINGS W	175.0	0.07		12.3		12.3	8.6	3.7
CUMMINGS Y	701.0	0.20		140.0		140.0	84.3	55.7
CUMMINGS Z	22.9	<0.01		0.1		0.1	0.1	
CUMMINGS DD	40.8	0.10		4.1		4.1	0.1	4.0
CUMMINGS EE	159.0	0.20		31.8		31.8	24.6	7.2
CUMMINGS GG	85.0	0.07		6.0		6.0	4.3	1.7
CUMMINGS HH	160.0	0.25		40.0		40.0	15.8	24.2
CUMMINGS JJ	52.9	<0.01		0.1		0.1	0.1	
CUMMINGS LL	41.5	0.10		4.2		4.2	1.3	2.9
CUMMINGS OO	1 822.0	0.40		729.0		729.0	365.5	363.5
CUMMINGS QO	223.0	0.30		66.9		66.9	43.6	23.3
CUMMINGS SS	63.5	0.15		9.5		9.5	4.8	4.7
CUMMINGS TT	196.0	0.10		19.6		19.6	2.9	16.7
CUMMINGS VV	117.0	0.10		11.7		11.7	2.4	9.3
CUMMINGS WW	112.0	<0.03		2.5		2.5	2.5	
CUMMINGS XX	131.0	0.05		6.6		6.6	3.1	3.5
CUMMINGS YY	66.2	0.10		6.6		6.6	1.4	5.2
CUMMINGS ZZ	41.9	0.20		8.4		8.4	6.1	2.3
CUMMINGS BBB	47.5	0.15		7.1		7.1	3.3	3.8
CUMMINGS CCC	172.0	0.20		34.4		34.4	20.6	13.8
CUMMINGS DDD	65.7	0.10		6.6		6.6	0.7	5.9
CUMMINGS EEE	40.6	0.20		8.1		8.1	5.7	2.4
CUMMINGS GGG	15.2	0.30		4.6		4.6	1.3	3.3
CUMMINGS III	157.0	0.25		39.3		39.3	3.7	35.6
CUMMINGS JJJ	10.5	0.02		0.2		0.2	0.2	
CUMMINGS LLL	25.5	<0.01		0.1		0.1	0.1	
CUMMINGS MMM	103.0	0.10		10.3		10.3	0.1	10.2
CUMMINGS NNN	510.0	0.20		102.0		102.0	42.8	59.2
CUMMINGS OOO	42.1	0.20		8.4		8.4	0.7	7.7
CUMMINGS SSS	16.3	0.25		4.1		4.1	1.6	2.5
CUMMINGS TTT	223.0	0.25		55.8		55.8	8.9	46.9
CUMMINGS VVV	231.0	0.15		34.7		34.7	6.5	28.2
CUMMINGS WWW	118.0	0.25		29.5		29.5	4.5	25.0
CUMMINGS XXX	39.9	0.10		4.0		4.0	0.2	3.8
CUMMINGS YYY	37.3	0.20		7.5		7.5	1.5	6.0
CUMMINGS ZZZ	5.1	0.30		1.5		1.5	0.4	1.1
CUMMINGS A2A	646.0	0.20		129.0		129.0	19.1	109.9
CUMMINGS B2B	1 096.0	0.02		21.9		21.9	6.6	15.3
CUMMINGS C2C	175.0	0.20		35.0		35.0	15.2	19.8
CUMMINGS D2D	30.6	0.25		7.7		7.7	0.4	7.3
CUMMINGS E2E	83.6	0.15		12.5		12.5	0.9	11.6
CUMMINGS G2G	24.7	0.20		4.9		4.9	1.6	3.3
CUMMINGS UU &	223.0	0.05		11.2		11.2	6.1	5.1
DINA T2T								
CUMMINGS OOO,PPP & DINA E4E	253.0	0.22		55.7		55.7	4.4	51.3
CUMMINGS NN & DINA CC	340.0	<0.30		100.0		100.0	64.3	35.7
CUMMINGS M & LLOYDMINSTER M	259.0	0.20		51.8		51.8	34.0	17.8
LOWER MANNVILLE A	226.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE C	169.0	0.10		16.9		16.9	12.5	4.4
LOWER MANNVILLE E	34.1	0.10		3.4		3.4	1.7	1.7
LOWER MANNVILLE H	96.0	<0.01		0.9		0.9	0.9	
LOWER MANNVILLE J	90.9	<0.01		0.7		0.7	0.7	
LOWER MANNVILLE W	430.0	0.02		8.6		8.6	4.5	4.1
LOWER MANNVILLE AA	134.0	0.15		20.1		20.1	14.2	5.9
LOWER MANNVILLE BB	166.0	0.05		8.3		8.3	6.4	1.9
LOWER MANNVILLE MM	52.1	<0.05		2.4		2.4	2.4	
LOWER MANNVILLE NN	154.0	<0.02		2.5		2.5	2.5	
LOWER MANNVILLE RR	224.0	0.05		11.2		11.2	3.9	7.3
LOWER MANNVILLE TT	39.5	0.25		9.9		9.9	2.7	7.2

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
16	7.00	0.280	0.20	0.97	11	988	26	5 661	-114.0	840.5	1982	85 12 - ABAND 92 05
16	0.70	0.240	0.45	0.97	11	931	26	6 127	-128.6	843.7	1983	84 01 - ABAND 90 10
16	1.00	0.200	0.50	0.97	10	988	31	5 119	-125.1	792.0	1983	92 10
740	6.57	0.290	0.19	0.92	25	910	29	5 502	-107.1	797.2	1984	93 10 - GPP
32	1.71	0.260	0.42	0.97	12	924	27	5 127	-109.2	775.2	1984	88 12 - GPP
16	4.00	0.300	0.25	0.97	13	990	27	6 210	-137.1	827.0	1983	88 12 - ABAND 89 10
436	2.19	0.280	0.24	0.97	9	953	29	5 917	-137.4	813.1	1986	93 03 - GPP
32	2.80	0.240	0.33	0.95	11	905	28	4 976	-128.7	794.3	1987	88 05 - ABAND 88 01
48	2.23	0.260	0.26	0.97	11	905	28	5 583	-119.3	788.4	1988	89 05 - GPP
64	1.77	0.250	0.35	0.95	11	905	28	7 332	-184.7	1 027.3	1988	89 12 - GPP
328	1.46	0.230	0.33	0.95	11	905	28	5 595	-149.2	819.6	1987	93 05 - GPP
16	1.10	0.200	0.33	0.97	13	970	31	5 571	-118.0	781.6	1988	88 07 - ABAND 88 06
32	1.20	0.200	0.44	0.95	11	905	28	5 869	-148.5	852.1	1988	88 11
64	1.89	0.220	0.37	0.95	11	905	28	6 018	-150.7	824.7	1988	91 12
32	2.20	0.240	0.47	0.95	11	905	28	5 869	-174.2	908.3	1988	93 12 - GPP
48	2.95	0.220	0.46	0.95	11	905	28	5 705	-116.7	776.7	1988	93 01 - GPP
32	1.20	0.250	0.42	0.95	11	905	28	6 120	-147.4	848.8	1988	92 12 - ABAND 92 10
32	0.70	0.250	0.22	0.95	11	905	28	6 256	-157.7	891.3	1988	90 04 - GPP
160	6.00	0.270	0.26	0.95	11	905	28	5 039	-108.4	827.8	1983	93 05 - GPP
80	1.78	0.232	0.29	0.95	11	905	28	6 370	-177.5	860.5	1988	92 12 - GPP
32	1.50	0.240	0.42	0.95	11	905	28	6 073	-162.9	906.6	1989	89 08 - GPP
32	4.00	0.260	0.38	0.95	11	905	28	6 078	-172.7	902.3	1989	89 08 - GPP
64	1.87	0.210	0.51	0.95	11	905	28	5 401	-174.7	857.0	1989	89 10 - GPP
64	1.00	0.270	0.33	0.97	7	956	29	5 575	-104.3	792.0	1981	89 12 - ABAND 92 07
32	1.80	0.300	0.22	0.97	10	910	32	5 317	-92.2	778.6	1985	85 09 - GPP
64	1.10	0.180	0.45	0.95	11	905	28	6 492	-190.7	957.8	1989	90 02 - GPP
16	2.18	0.230	0.45	0.95	11	905	28	5 777	-125.6	807.3	1989	91 12 - GPP
32	1.00	0.220	0.29	0.95	11	905	28	6 120	-147.4	855.5	1986	90 09
85	1.25	0.250	0.32	0.95	11	905	28	6 227	-150.7	845.9	1990	91 09 - GPP
16	4.00	0.200	0.46	0.95	11	905	28	6 087	-166.6	855.9	1990	90 10 - GPP
16	2.80	0.180	0.47	0.95	11	905	28	6 250	-153.3	816.2	1990	91 12
4	2.80	0.250	0.43	0.95	11	905	28	5 677	-115.8	822.6	1990	90 12 - GPP
16	4.30	0.290	0.17	0.95	11	905	28	5 747	-151.8	850.8	1991	91 12 - GPP
4	1.50	0.270	0.32	0.95	11	905	28	5 858	-145.8	829.8	1991	92 08 - ABAND 92 01
32	0.70	0.210	0.43	0.95	11	905	28	5 663	-163.0	931.4	1991	92 11 - GPP
32	2.00	0.270	0.37	0.95	11	905	28	5 593	-106.0	789.5	1991	92 02 - GPP
108	3.63	0.220	0.39	0.97	9	935	28	6 477	-165.0	867.2	1989	92 03 - GPP
32	1.40	0.220	0.55	0.95	11	905	28	5 936	-140.9	810.5	1991	92 05 - GPP
4	2.00	0.290	0.26	0.95	11	905	28		-117.9	793.8	1992	92 09 - GPP
64	2.14	0.260	0.34	0.95	11	905	28	6 182	-156.1	914.8	1992	93 04 - GPP
8	11.64	0.300	0.13	0.95	11	905	28		-128.4	791.7	1992	93 08 - GPP
16	5.43	0.220	0.35	0.95	11	905	28		-123.5	792.4	1992	92 12 - GPP
4	5.00	0.290	0.29	0.97	11	905	28		-112.5	784.5	1992	93 01 - GPP
4	3.80	0.300	0.14	0.95	11	905	28		-119.4	788.4	1992	93 01 - GPP
4	1.60	0.240	0.65	0.95	11	905	28		-122.8	831.9	1989	92 03 - GPP
120	3.76	0.250	0.41	0.97	9	935	28	6 860	-191.6	964.3	1988	93 02 - GPP
121	3.89	0.300	0.20	0.97	9	935	28	5 537	-104.5	798.1	1985	93 12 - GPP
16	5.42	0.270	0.23	0.97	9	935	28		-109.9	839.9	1992	93 04 - GPP
4	4.60	0.250	0.30	0.95	11	905	28		-110.8	835.5	1992	93 03 - GPP
16	2.40	0.290	0.21	0.95	11	905	28		-110.7	782.4	1992	93 05 - GPP
10	2.00	0.220	0.41	0.95	11	905	28		-121.0	788.3	1992	93 12 - GPP
32	4.70	0.240	0.35	0.95	11	905	28	6 308	-156.1	840.3	1989	91 02 - GPP
41	4.25	0.220	0.32	0.97	9	935	28	5 378	-199.9	945.1	1991	92 04 - GPP
77	3.02	0.230	0.33	0.95	18	889	34	6 229	-172.9	916.8	1975	92 12 - GPP
48	2.53	0.290	0.20	0.92	28	918	24	4 818	-105.4	793.7	1984	93 07 - GPP
64	4.31	0.130	0.30	0.90	43	874	38	7 278	-255.1	977.5	1977	78 08 - ABAND 78 06
64	2.30	0.230	0.48	0.96	18	865	32	7 093	-235.0	1 028.1	1978	79 01 - GPP
16	1.80	0.210	0.40	0.94	27	917	32	5 934	-157.2	909.8	1976	79 05 - GPP
16	3.40	0.280	0.35	0.97	10	980	27	6 191	-114.9	795.3	1980	84 12 - ABAND 86 01
16	3.50	0.270	0.38	0.97	12	970	29	5 624	-105.4	779.7	1980	81 01 - ABAND 82 06
64	5.30	0.240	0.45	0.96	13	876	32	7 132	-261.5	1 049.2	1982	86 12 - GPP
60	2.20	0.200	0.45	0.92	31	878	31	6 867	-273.2	1 052.8	1984	90 12 - GPP
32	3.66	0.240	0.36	0.92	31	878	31	7 312	-273.3	1 052.1	1985	89 07 - GPP
16	2.80	0.240	0.50	0.97	12	963	24	6 094	-147.7	915.3	1980	88 12
16	7.10	0.220	0.25	0.82	28	949	37	6 451	-229.1	965.8	1983	89 12 - ABAND 90 11
32	4.20	0.220	0.22	0.97	7	915	27	5 817	-167.7	884.1	1972	90 12 - GPP
32	1.30	0.200	0.50	0.95	18	939	37	9 026	-287.2	1 067.7	1990	92 03 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
PROVOST 036-07W4 (CONTINUED)								
LOWER MANNVILLE PP & D-2 B	222.0	0.03		6.7		6.7	0.7	6.0
DINA A	3 498.0	0.30		1 049.0		1 049.0	816.4	232.6
DINA E	187.0	<0.02		3.3		3.3	3.3	
DINA F	37.3	<0.01		0.3		0.3	0.3	
DINA G	286.0	<0.01		2.8		2.8	2.8	
DINA I	145.0	<0.01		0.1		0.1	0.1	
DINA J	123.0	<0.01		0.9		0.9	0.9	
DINA K	264.0	0.05		13.2		13.2	2.3	10.9
DINA L	1 355.0	0.45		610.0		610.0	470.4	139.6
DINA M	58.6	0.30		17.6		17.6	6.1	11.5
DINA N	7 693.0	0.20		1 539.0		1 539.0	1 101.6	437.4
DINA O	4 618.0	0.20		924.0		924.0	198.9	725.1
DINA P	131.0	<0.01		0.3		0.3	0.3	
DINA Q	262.0	0.05		13.1		13.1	6.7	6.4
DINA R	609.0	0.03		18.3		18.3	13.6	4.7
DINA T	282.0	0.20		56.4		56.4	12.1	44.3
DINA U	181.0	0.15		27.2		27.2	9.4	17.8
DINA V	197.0	0.10		19.7		19.7	0.4	19.3
DINA Z	194.0	0.05		9.7		9.7	0.2	9.5
DINA BB	122.0	0.20		24.4		24.4	7.6	16.8
DINA DD	180.0	0.25		45.0		45.0	38.1	6.9
DINA EE	133.0	<0.01		0.4		0.4	0.4	
DINA FF	185.0	0.15		27.8		27.8	15.1	12.7
DINA GG	365.0	<0.01		0.1		0.1	0.1	
DINA HH	181.0	0.10		18.1		18.1	5.5	12.6
DINA II	446.0	0.01		4.5		4.5	2.3	2.2
DINA KK	155.0	0.05		7.8		7.8	0.6	7.2
DINA LL	90.3	0.20		18.1		18.1	7.1	11.0
DINA PP	702.0	0.15		105.0		105.0	58.1	46.9
DINA QQ	38.2	<0.01		0.2		0.2	0.2	
DINA RR	542.0	0.05		27.1		27.1	17.3	9.8
DINA TT	78.2	0.05		3.9		3.9	0.5	3.4
DINA VV	113.0	<0.01		0.2		0.2	0.2	
DINA YY	2 654.0	0.40		1 062.0		1 062.0	754.1	307.9
DINA AAA	80.0	0.30		24.0		24.0	11.0	13.0
DINA CCC	32.7	0.40		13.1		13.1	9.7	3.4
DINA GGG	380.0	0.30		114.0		114.0	75.3	38.7
DINA III	44.7	0.20		8.9		8.9	5.1	3.8
DINA KKK	160.0	0.10		16.0		16.0	7.2	8.8
DINA LLL	29.7	<0.01		0.1		0.1	0.1	
DINA MMM	173.0	0.05		8.7		8.7	0.7	8.0
DINA NNN	75.6	0.10		7.6		7.6	1.0	6.6
DINA OOO	262.0	0.20		52.4		52.4	33.9	18.5
DINA QQQ	53.1	0.25		13.3		13.3	7.0	6.3
DINA SSS	27.6	<0.01		0.1		0.1	0.1	
DINA TTT	25.8	0.10		2.6		2.6	0.4	2.2
DINA YYY	100.0	0.20		20.0		20.0	10.9	9.1
DINA B2B	850.0	0.10		85.0		85.0	47.6	37.4
DINA G2G	6.3	0.25		1.6		1.6	0.1	1.5
DINA H2H	98.1	0.20		19.6		19.6	3.3	16.3
DINA J2J	32.6	0.05		1.6		1.6	0.1	1.5
DINA K2K	81.0	0.10		8.1		8.1	0.4	7.7
DINA N2N	174.0	0.30		52.2		52.2	12.2	40.0
DINA O2O	939.0	0.07		65.7		65.7	41.2	24.5
DINA P2P	114.0	0.03		3.4		3.4	0.1	3.3
DINA R2R	60.8	0.05		3.0		3.0	2.0	1.0
DINA W2W	196.0	0.20		39.2		39.2	4.4	34.8
DINA A3A	106.0	0.20		21.2		21.2	0.5	20.7
DINA C3C	54.6	0.03		1.6		1.6	0.9	0.7
DINA E3E	127.0	0.15		19.1		19.1	7.0	12.1
DINA F3F	371.0	0.30		111.0		111.0	42.1	68.9
DINA H3H	17.1	<0.02		0.2		0.2	0.2	
DINA I3I	29.4	0.30		8.8		8.8	2.4	6.4
DINA J3J	37.7	0.20		7.5		7.5	0.9	6.6
DINA K3K	63.5	0.05		3.2		3.2	0.1	3.1
DINA L3L	114.0	0.35		39.9		39.9	17.7	22.2
DINA N3N	239.0	0.30		71.7		71.7	34.5	37.2
DINA O3O	105.0	0.20		21.0		21.0	0.1	20.9
DINA P3P	80.0	<0.01		0.3		0.3	0.3	
DINA Q3Q	790.0	0.20		158.0		158.0	14.4	143.6

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
64	4.65	0.147	0.43	0.89	38	890	32	6 482	-303.9	1 072.8	1986	88 08 - GPP
460	4.00	0.280	0.30	0.97	38	894	31	5 530	-113.8	792.0	1982	90 12 - GPP
16	6.99	0.250	0.31	0.97	11	960	30	5 830	-159.5	851.0	1981	92 11 - ABAND 89 05
16	1.80	0.240	0.40	0.90	41	939	30	6 026	-129.8	817.9	1983	84 09 - GPP
32	4.28	0.290	0.20	0.90	28	922	31	5 828	-159.3	917.5	1984	86 05 - ABAND 89 10
16	3.90	0.300	0.20	0.97	20	976	30	6 315	-173.1	867.1	1984	88 12 - ABAND 89 08
16	4.10	0.280	0.30	0.96	23	925	29	5 578	-110.6	795.8	1984	84 01 - ABAND 87 06
32	4.05	0.280	0.25	0.97	15	945	30	5 606	-130.0	808.7	1984	87 01 - GPP
223	3.13	0.260	0.23	0.97	7	914	27	5 702	-132.1	834.7	1984	92 12 - GPP
12	3.28	0.240	0.36	0.97	11	904	30	5 604	-129.7	814.8	1984	93 03 - GPP
494	6.67	0.290	0.17	0.97	10	934	31	6 010	-140.6	835.3	1957	91 12 - GPP
368	5.50	0.280	0.16	0.97	10	928	30	6 000	-137.8	834.7	1956	93 12 - GPP
16	3.50	0.290	0.17	0.97	11	946	29	5 599	-131.4	823.3	1984	88 12 - GPP
32	5.03	0.230	0.27	0.97	10	960	30	6 119	-134.8	817.8	1984	86 08 - GPP
48	5.91	0.280	0.21	0.97	15	920	27	5 453	-101.6	793.3	1983	93 02 - GPP
75	2.29	0.260	0.35	0.97	15	915	30	6 377	-176.1	963.8	1985	91 09 - GPP
32	2.69	0.280	0.21	0.95	12	950	30	6 090	-141.7	829.7	1986	88 07 - GPP
64	2.80	0.230	0.47	0.90	40	930	33	6 678	-200.0	955.8	1987	87 09 - GPP
64	3.30	0.200	0.49	0.90	41	876	34	6 309	-208.2	986.4	1987	88 01 - GPP
16	4.20	0.250	0.23	0.94	22	905	27	5 604	-111.6	828.7	1987	89 12 - GPP
50	1.92	0.260	0.25	0.96	39	883	30	6 408	-200.3	1 004.2	1987	89 12 - GPP
16	5.30	0.225	0.28	0.97	7	915	27	5 553	-130.4	789.6	1987	88 06 - ABAND 88 04
66	2.47	0.210	0.40	0.90	33	892	34	6 966	-198.7	1 004.5	1987	93 11 - GPP
32	4.50	0.290	0.10	0.97	7	915	27	6 213	-126.3	789.9	1988	88 07 - ABAND 88 06
32	3.30	0.230	0.23	0.97	7	915	27	6 046	-158.3	834.9	1988	88 08 - GPP
32	6.20	0.290	0.20	0.97	7	915	27	6 220	-131.4	835.9	1988	92 12 - GPP
32	2.30	0.290	0.25	0.97	7	914	27	5 613	-147.9	860.9	1988	88 08 - GPP
16	3.10	0.240	0.21	0.96	16	931	30	5 557	-142.0	830.4	1985	93 03 - GPP
66	7.55	0.220	0.34	0.97	7	915	27	6 693	-193.3	972.5	1988	93 03 - GPP
32	1.10	0.260	0.57	0.97	7	915	27	6 336	-234.3	987.6	1988	88 11 - ABAND 88 05
32	8.10	0.280	0.23	0.97	7	915	27	5 559	-106.9	782.4	1988	88 11 - GPP
32	1.50	0.240	0.30	0.97	7	914	27	6 152	-151.9	822.3	1988	88 11 - GPP
16	4.00	0.250	0.27	0.97	7	915	27	5 126	-130.4	808.0	1988	88 12 - ABAND 89 02
300	4.33	0.270	0.22	0.97	7	915	27	5 495	-137.3	840.2	1988	93 04 - GPP
16	3.53	0.200	0.27	0.97	7	914	27	6 716	-202.5	978.9	1988	90 12 - GPP
8	4.06	0.230	0.54	0.95	18	879	33	6 303	-144.6	913.6	1988	91 03 - GPP
100	2.09	0.250	0.25	0.97	9	935	28	5 879	-141.0	821.9	1988	90 12 - GPP
16	2.80	0.210	0.51	0.97	9	935	28	6 341	-259.7	1 058.8	1988	91 12 - GPP
16	7.00	0.230	0.36	0.97	9	935	28	6 185	-191.4	1 009.0	1988	89 03 - GPP
16	1.60	0.210	0.43	0.97	9	935	28	6 296	-165.2	835.2	1988	89 03 - ABAND 89 11
16	5.50	0.260	0.22	0.97	9	935	28	5 560		801.3	1988	89 03 - GPP
16	3.50	0.240	0.42	0.97	9	935	28	6 848	-217.7	977.8	1988	89 03 - GPP
32	4.27	0.250	0.21	0.97	9	935	28	6 436	-193.3	945.4	1988	93 12 - GPP
8	3.85	0.230	0.21	0.95	9	935	28	6 431	-189.9	922.9	1988	89 04 - GPP
16	1.80	0.190	0.48	0.97	9	935	28	6 236	-171.6	921.1	1988	89 04 - ABAND 90 01
4	7.00	0.190	0.50	0.97	9	935	28	5 768	-202.6	991.7	1988	89 04 - GPP
33	2.50	0.240	0.48	0.97	9	935	28	5 816	-133.8	900.2	1988	91 09 - GPP
228	2.90	0.250	0.47	0.97	36	850	38	7 255	-266.0	1 061.0	1981	89 11 - GPP
4	2.80	0.200	0.71	0.97	9	935	28	6 112	-180.4	952.8	1989	89 10 - GPP
16	6.40	0.190	0.48	0.97	9	935	28	6 421	-189.9	936.9	1988	89 10 - GPP
4	5.60	0.200	0.25	0.97	9	935	28	5 712	-159.8	909.0	1989	92 12 - GPP
16	3.90	0.235	0.43	0.97	9	935	28	6 981	-206.7	955.4	1989	91 06 - GPP
65	2.60	0.200	0.47	0.97	9	935	28	5 657	-196.2	958.1	1989	90 10 - GPP
206	2.30	0.280	0.27	0.97	11	917	31	5 401	-96.2	788.1	1976	93 12 - GPP
16	3.50	0.300	0.30	0.97	7	910	27	4 992	-93.6	779.0	1984	92 10 - GPP
4	7.00	0.280	0.20	0.97	9	935	28	6 200	-174.0	864.1	1989	92 12 - GPP
16	8.20	0.220	0.30	0.97	9	935	28	6 194	-173.4	939.4	1989	90 04 - GPP
16	4.00	0.240	0.29	0.97	9	935	28	6 016	-128.4	832.5	1990	90 05 - GPP
4	13.00	0.190	0.43	0.97	9	935	28	7 036	-190.5	1 004.2	1989	92 12 - GPP
16	4.40	0.270	0.31	0.97	9	935	28	7 437	-279.5	1 035.4	1990	90 08 - GPP
67	4.21	0.230	0.41	0.97	9	935	28	5 640	-162.2	845.5	1990	91 12 - GPP
4	3.50	0.210	0.40	0.97	9	935	28		-206.0	959.6	1990	92 07 - ABAND 92 04
8	2.84	0.230	0.42	0.97	9	935	28	5 915	-158.5	863.6	1980	90 11 - GPP
16	1.50	0.270	0.40	0.97	9	935	28	5 891	-155.9	827.3	1990	90 11 - GPP
16	3.30	0.200	0.38	0.97	9	935	28	6 848	-201.9	973.9	1990	90 11 - GPP
20	2.90	0.270	0.25	0.97	9	935	28	5 585	-109.4	839.2	1990	93 12 - GPP
31	3.60	0.280	0.21	0.97	9	935	28	5 353	-157.2	851.4	1990	91 03 - GPP
16	4.10	0.230	0.28	0.97	9	935	28	5 690	-186.8	916.6	1990	90 12 - GPP
16	2.90	0.250	0.29	0.97	9	935	28	6 092	-181.9	923.0	1990	92 12 - ABAND 92 02
165	2.99	0.250	0.34	0.97	9	935	28	5 849	-160.2	856.5	1990	92 03 - GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
PROVOST 036-07W4 (CONTINUED)								
DINA R3R	184.0	0.10		18.4		18.4	7.4	11.0
DINA T3T	32.6	0.30		9.8		9.8	3.4	6.4
DINA V3V	429.0	0.20		85.8		85.8	44.5	41.3
DINA X3X	49.9	0.35		17.5		17.5	6.2	11.3
DINA Y3Y	12.0	<0.01		0.1		0.1	0.1	
DINA C4C	149.0	<0.01		0.2		0.2	0.2	
DINA D4D	26.1	0.20		5.2		5.2	0.1	5.1
DINA F4F	10.2	0.25		2.6		2.6		2.6
DINA H4H	30.8	0.15		4.6		4.6	1.3	3.3
DINA J4J	89.2	0.10		8.9		8.9	0.3	8.6
DINA L4L	23.4	0.35		8.2		8.2	1.7	6.5
DINA M4M	36.6	0.12		4.4		4.4	3.6	0.8
DINA O4O	47.5	<0.07		3.0		3.0	3.0	
DINA P4P	29.3	0.30		8.8		8.8	2.9	5.9
DINA Q4Q	20.0	0.35		7.0		7.0	1.0	6.0
DINA T4T	454.0	0.25		114.0		114.0	34.8	79.2
DINA U4U	44.5	0.20		8.9		8.9	4.2	4.7
DINA Z4Z	33.0	<0.01		0.1		0.1	0.1	
DINA A5A	43.4	0.20		8.7		8.7	1.4	7.3
DINA B5B	95.4	0.30		28.6		28.6	0.8	27.8
DINA C5C	12.8	<0.04		0.5		0.5	0.5	
DINA D5D	30.0	0.30		9.0		9.0	0.5	8.5
DINA F5F	212.0	0.30		63.6		63.6	6.3	57.3
DINA G5G	32.4	0.20		6.5		6.5	0.2	6.3
DINA J5J	56.8	0.20		11.4		11.4	1.8	9.6
DINA O5O	55.3	0.15		8.3		8.3		8.3
BASAL QUARTZ C	8 387.0	0.25		2 097.0		2 097.0	1 418.5	678.5
ELLERSLIE A	34.4	<0.04		1.1		1.1	1.1	
ELLERSLIE C	147.0	<0.01		0.4		0.4	0.4	
ELLERSLIE D	1 062.0	0.35		372.0		372.0	235.7	136.3
ELLERSLIE E	52.8	<0.01		0.1		0.1	0.1	
ELLERSLIE F	247.0	0.10		24.7		24.7	9.1	15.6
ELLERSLIE G	92.8	0.20		18.6		18.6	12.5	6.1
ELLERSLIE H	200.0	0.10		20.0		20.0	0.5	19.5
ELLERSLIE I	239.0	0.05		11.9		11.9	0.8	11.1
ELLERSLIE J	93.4	0.10		9.3		9.3	2.9	6.4
ELLERSLIE M	68.5	0.15		10.3		10.3	0.3	10.0
ELLERSLIE P	500.0	0.15		75.0		75.0	15.8	59.2
ELLERSLIE Q	269.0	0.20		53.8		53.8	20.9	32.9
ELLERSLIE T	673.0	0.25		168.0		168.0	57.6	110.4
ELLERSLIE V	41.5	0.10		4.2		4.2	1.1	3.1
ELLERSLIE W	97.3	0.10		9.7		9.7	1.8	7.9
ELLERSLIE AA	63.6	0.20		12.7		12.7	3.6	9.1
ELLERSLIE BB	133.0	0.20		26.6		26.6	3.9	22.7
FIELD TOTAL *	178 855.4			22 861.0	3 269.2	26 130.2	14 017.1	12 113.1
RAINIER 017-15W4								
LOWER MANNVILLE C	154.0	<0.02		2.5		2.5	2.5	
BASAL QUARTZ A	38.3	<0.01		0.2		0.2	0.2	
FIELD TOTAL	192.3			2.7		2.7	2.7	
REAGAN 001-19W4								
RUNDLE A	460.0	0.18		82.8		82.8	79.5	3.3
FIELD TOTAL	460.0			82.8		82.8	79.5	3.3
RED COULEE 001-17W4								
CUTBANK B	1 010.0	0.05		50.5		50.5	47.2	3.3
CUTBANK C	158.0	0.03		4.7		4.7	2.3	2.4
RUNDLE A	86.8	0.15		13.0		13.0	11.3	1.7
RUNDLE B	36.2	0.02		0.7		0.7	0.7	
FIELD TOTAL *	1 291.0			68.9		68.9	61.5	7.4
RETLAW 012-18W4								
MANNVILLE A	868.0	0.06		52.1		52.1	37.9	14.2
MANNVILLE I	1 270.0	0.12		152.0		152.0	139.7	12.3
MANNVILLE O	124.0	<0.02		1.7		1.7	1.7	
MANNVILLE Q	183.0	<0.01		0.1		0.1	0.1	

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
16	5.50	0.280	0.23	0.97	9	935	28	5 645	-163.3	852.5	1990	91 12 - GPP
8	5.00	0.210	0.60	0.97	9	935	28	6 164	-214.4	992.3	1989	92 08 - GPP
66	5.35	0.220	0.40	0.92	33	887	34	6 556	-179.1	937.2	1988	92 09 - GPP
8	4.06	0.220	0.28	0.97	9	935	28	6 105	-215.7	999.0	1990	91 04 - GPP
4	2.20	0.220	0.36	0.97	9	970	28	5 946	-213.9	989.0	1990	93 08 - ABAND 93 03
16	10.40	0.210	0.56	0.97	9	935	28	6 892	-223.6	1 014.0	1990	93 02 - ABAND 92 11
16	2.00	0.210	0.60	0.97	9	935	20	6 787	-205.3	932.1	1991	91 06 - GPP
4	1.90	0.230	0.40	0.97	9	935	28		-199.0	968.0	1990	91 08 - GPP
16	1.20	0.240	0.31	0.97	9	935	28	7 253	-256.6	1 009.6	1991	91 10 - GPP
16	3.30	0.260	0.33	0.97	9	935	28	5 584	-154.7	824.9	1991	91 10 - GPP
4	3.60	0.250	0.33	0.97	9	935	28	5 407	-202.1	955.4	1991	91 10 - GPP
16	1.60	0.250	0.41	0.97	9	935	28		-265.4	1 065.2	1988	93 12 - GPP
4	7.00	0.250	0.30	0.97	9	935	28	5 622	-160.4	850.7	1990	93 02 - ABAND 92 12
4	4.70	0.240	0.33	0.97	9	935	28	5 862	-160.1	836.4	1991	92 08 - GPP
16	1.10	0.240	0.51	0.97	9	935	28	6 044	-204.4	959.7	1991	91 12 - GPP
48	4.41	0.280	0.21	0.97	9	935	28	5 966	-147.6	831.9	1991	92 02 - GPP
8	3.50	0.230	0.28	0.96	14	868	33	6 000	-207.0	990.0	1990	92 04 - GPP
4	4.50	0.270	0.30	0.97	9	935	28	5 961	-147.1	829.0	1991	92 11 - GPP
8	3.70	0.240	0.37	0.97	9	935	28		-212.8	993.3	1991	92 12 - GPP
16	4.00	0.240	0.36	0.97	9	935	28	5 630	-205.6	966.0	1992	92 06 - GPP
4	3.00	0.220	0.50	0.97	9	935	28	6 195	-205.3	949.5	1991	92 12 - ABAND 92 09
4	4.12	0.250	0.25	0.97	9	935	28	6 209	-181.9	949.8	1992	92 10 - GPP
32	4.24	0.230	0.30	0.97	9	935	28	6 279	-164.8	838.5	1990	93 01 - GPP
4	4.30	0.270	0.28	0.97	9	935	28	4 818	-142.0	836.4	1992	92 12 - GPP
16	3.20	0.210	0.45	0.96	9	935	28		-212.2	958.8	1992	93 01 - GPP
16	2.50	0.190	0.25	0.97	9	935	28		-202.7	969.8	1989	93 06 - GPP
454	8.56	0.280	0.18	0.94	25	921	33	5 907	-150.6	895.7	1975	93 07 - GPP
32	1.50	0.130	0.40	0.92	34	917	35	5 815	-158.2	914.1	1981	85 12 - ABAND 84 08
64	3.00	0.173	0.52	0.92	37	897	21	6 511	-226.9	963.5	1985	89 12
178	3.70	0.240	0.27	0.92	32	912	34	6 582	-241.0	979.8	1982	93 10 - GPP
64	1.40	0.160	0.60	0.92	31	864	30	7 626	-298.3	1 080.5	1986	87 05 - ABAND 88 05
32	4.30	0.260	0.25	0.92	40	900	32	7 444	-305.3	1 054.4	1987	87 10 - GPP
16	3.98	0.210	0.27	0.95	16	909	34	6 617	-244.5	1 039.1	1987	89 05 - GPP
16	8.00	0.200	0.17	0.94	28	924	31	6 378	-249.7	990.5	1988	88 06 - GPP
32	4.60	0.230	0.25	0.94	28	924	31	6 164	-208.2	985.7	1988	89 11 - GPP
16	4.50	0.230	0.40	0.94	28	924	31	7 438	-276.6	1 047.0	1988	89 03 - GPP
16	3.00	0.220	0.31	0.94	28	924	31	6 963	-222.9	1 030.5	1989	89 11 - GPP
125	2.34	0.240	0.25	0.95	16	908	34	6 415	-216.3	1 023.0	1991	92 01 - GPP
67	2.78	0.220	0.31	0.95	16	908	34	6 332	-260.9	990.1	1991	92 04 - GPP
116	3.35	0.240	0.24	0.95	16	908	34	6 134	-244.9	973.2	1991	93 12 - GPP
4	5.00	0.280	0.22	0.95	16	909	34	6 065	-211.1	977.1	1992	92 07 - GPP
32	2.00	0.250	0.36	0.95	16	908	34		-243.0	975.0	1992	92 09 - GPP
16	2.50	0.240	0.31	0.96	15	865	33		-224.2	1 044.0	1992	93 12 - GPP
30	2.67	0.240	0.27	0.95	16	908	34	6 252	-246.2	975.6	1992	93 11
32	2.74	0.290	0.31	0.88	45	869	29		-283.0	1 062.1	1964	75 12 - ABAND 67 05
32	1.40	0.160	0.40	0.89	40	905	21	11 170	-279.2	1 066.3	1980	84 12 - ABAND 86 10
274	2.78	0.110	0.27	0.75	127	844	29	7 669	113.5	1 094.2	1957	81 12 - GPP
229	4.18	0.180	0.37	0.93	32	904	27	6 130	319.1	846.0	1960	85 12 - GPP
32	5.91	0.180	0.42	0.80	32	904	30	6 106	313.2	896.0	1966	86 02 - GPP
25	5.61	0.110	0.25	0.75	32	910	28	6 359	277.5	948.1	1960	90 12 - GPP
16	3.66	0.110	0.25	0.75	32	904	28	6 210	282.6	879.7	1966	77 04 - GPP
560	1.72	0.176	0.36	0.80	64	870	34	11 762	-280.7	1 113.2	1959	92 12 - GPP
454	2.13	0.218	0.30	0.86	64	921	39	11 677	-268.5	1 096.5	1964	88 12 - GPP
65	1.77	0.172	0.27	0.86	45	946	37	11 953	-261.1	1 112.7	1970	72 02 - ABAND 72 10
65	2.74	0.190	0.37	0.86	66	921	41	11 986	-262.0	1 102.9	1971	74 04 - ABAND 74 03

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
RETLAW 012-18W4 (CONTINUED)								
MANNVILLE R	238.0	0.07		16.7		16.7	11.8	4.9
MANNVILLE V	1 860.0	0.10		186.0		186.0	122.3	63.7
MANNVILLE W	371.0	0.04		14.8		14.8	12.0	2.8
MANNVILLE Y	222.0	0.10		22.2		22.2	4.1	18.1
MANNVILLE EE	392.0	0.06		23.5		23.5	16.7	6.8
MANNVILLE FF	178.0	<0.01		0.1		0.1	0.1	
MANNVILLE GG	92.7	<0.01		0.1		0.1	0.1	
MANNVILLE II	288.0	0.03		8.6		8.6	3.7	4.9
MANNVILLE KK	61.3	0.15		9.2		9.2	5.8	3.4
MANNVILLE LL	1 848.0	0.20		370.0		370.0	187.8	182.2
MANNVILLE MM	90.4	<0.01		0.4		0.4	0.4	
MANNVILLE PP	260.0	0.10		26.0		26.0	20.7	5.3
MANNVILLE RR	31.8	<0.01		0.2		0.2	0.2	
MANNVILLE SS	107.0	<0.01		1.0		1.0	1.0	
MANNVILLE TT	438.0	0.05		21.9		21.9	15.3	6.6
MANNVILLE UU	44.8	<0.01		0.1		0.1	0.1	
MANNVILLE B & D	300.0	0.04		12.0		12.0	0.1	11.9
MANNVILLE AAA	195.0	0.03		5.9		5.9	1.5	4.4
MANNVILLE BBB	1 300.0	0.05		65.0		65.0	31.3	33.7
MANNVILLE CCC	290.0	<0.02		4.0		4.0	4.0	
MANNVILLE DDD	52.8	<0.01		0.1		0.1	0.1	
MANNVILLE JJJ	54.1	<0.03		1.5		1.5	1.5	
MANNVILLE KKK	105.0	0.10		10.5		10.5	1.8	8.7
MANNVILLE NNN	187.0	0.15		28.0		28.0	10.2	17.8
MANNVILLE OOO	97.3	0.10		9.7		9.7	8.9	0.8
MANNVILLE RRR	473.0	0.05		23.7		23.7	22.3	1.4
MANNVILLE TTT	21.3	0.05		1.1		1.1	1.1	
MANNVILLE WWW	60.2	<0.01		0.2		0.2	0.2	
MANNVILLE YYY	48.4	<0.01		0.2		0.2	0.2	
MANNVILLE A2A	66.6	<0.02		0.8		0.8	0.8	
MANNVILLE B2B	44.1	<0.01		0.1		0.1	0.1	
MANNVILLE F2F	76.0	<0.01		0.4		0.4	0.4	
MANNVILLE G2G	405.0	0.03		12.2		12.2	7.9	4.3
MANNVILLE N2N	57.4	<0.01		0.1		0.1	0.1	
MANNVILLE P2P	55.0	0.10		5.5		5.5	2.9	2.6
MANNVILLE Q2Q	231.0	0.05		11.6		11.6	2.7	8.9
MANNVILLE R2R	25.3	<0.01		0.1		0.1	0.1	
MANNVILLE T2T	41.4	0.10		4.1		4.1	2.8	1.3
MANNVILLE D3D	92.5	0.10		9.3		9.3	0.7	8.6
MANNVILLE H3H	99.8	0.25		25.0		25.0	8.3	16.7
MANNVILLE I3I	43.4	0.10		4.3		4.3	1.0	3.3
MANNVILLE K3K	142.0	0.15		21.3		21.3	2.7	18.6
FIELD TOTAL	13 531.6			1 163.4		1 163.4	695.2	468.2
RIBSTONE 043-04W4								
SPARKY A	3 184.0	0.05		159.0		159.0	85.1	73.9
SPARKY B	162.0	0.12		19.4		19.4	16.7	2.7
GENERAL PETROLEUM A	71.5	<0.06		3.7		3.7	3.7	
LLOYDMINSTER A	373.0	0.02		7.5		7.5	4.0	3.5
LLOYDMINSTER B	163.0	0.01		1.6		1.6	1.6	
LLOYDMINSTER C	41.9	<0.01		0.1		0.1	0.1	
LLOYDMINSTER D	28.2	<0.03		0.8		0.8	0.8	
NISKU B	506.0	0.05		25.3		25.3	20.2	5.1
NISKU C	125.0	<0.02		1.5		1.5	1.5	
NISKU D	267.0	0.05		13.4		13.4	10.0	3.4
NISKU E	267.0	0.05		13.3		13.3	2.8	10.5
NISKU A & CAMROSE A	1 031.0	0.10		103.0		103.0	64.6	38.4
FIELD TOTAL	6 219.6			348.6		348.6	211.1	137.5
RICHDALE 030-13W4								
LOWER MANNVILLE G	80.0	0.15		12.0		12.0	9.4	2.6
FIELD TOTAL *	80.0			12.0		12.0	9.4	2.6
RIVERCOURSE 047-01W4								
COLONY A	245.0	<0.03		6.2		6.2	6.2	
COLONY B	265.0	<0.02		2.9		2.9	2.9	
COLONY G	98.2	<0.03		2.4		2.4	2.4	
SPARKY A	307.0	0.10		30.7		30.7	27.1	3.6

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
96	2.25	0.197	0.35	0.86	14	921	38	11 654	-265.4	1 091.6	1974	93 12 - GPP
1 061	1.52	0.180	0.28	0.89	57	946	32	11 767	-227.8	1 067.3	1971	91 08 - GPP
96	3.53	0.185	0.32	0.87	57	921	32	12 121	-282.9	1 134.4	1976	87 03 - GPP
32	6.00	0.210	0.38	0.89	57	910	36	7 929	-258.3	1 092.0	1992	92 08
264	1.86	0.160	0.42	0.86	62	910	34	11 772	-252.7	1 088.2	1978	92 03 - GPP
65	3.05	0.160	0.35	0.87	59	910	35	11 783	-250.1	1 121.0	1978	78 12 - ABAND 82 07
16	5.50	0.180	0.35	0.90	44	965	35	11 948	-258.5	1 108.5	1978	82 12
128	3.70	0.100	0.30	0.87	64	921	33	10 980	-264.9	1 095.6	1978	80 12 - GPP
64	3.04	0.050	0.25	0.84	73	896	33	10 673	-246.6	1 091.8	1977	92 08 - GPP
403	3.29	0.230	0.27	0.83	70	891	38	11 772	-255.7	1 083.4	1979	93 04
32	1.80	0.220	0.18	0.87	50	922	37	11 971	-258.8	1 093.0	1979	85 12 - GPP
48	4.50	0.210	0.34	0.87	89	916	37	11 641	-241.8	1 074.8	1979	90 07
64	0.60	0.150	0.35	0.85	66	886	30	11 666	-253.7	1 074.1	1964	89 12
16	8.00	0.150	0.35	0.86	62	900	37	11 601	-244.7	1 080.9	1980	84 12 - GPP
64	9.36	0.140	0.40	0.87	58	900	37	11 174	-244.4	1 080.1	1980	91 03 - GPP
16	2.78	0.180	0.35	0.86	66	959	35	10 433	-258.4	1 104.1	1980	83 12
125	1.83	0.221	0.30	0.85	73	896	33	11 780	-259.7	1 091.2	1959	84 12 - GPP
16	17.97	0.150	0.48	0.87	54	917	32	11 239	-241.1	1 075.7	1980	93 12 - GPP
423	2.93	0.180	0.33	0.87	60	915	37	11 846	-236.4	1 046.1	1981	84 10 - GPP
64	2.50	0.270	0.20	0.84	75	896	35	11 925	-257.4	1 107.9	1981	84 12 - GPP
64	0.80	0.160	0.25	0.86	64	885	30	12 036	-260.0	1 078.0	1980	83 12
32	1.30	0.240	0.37	0.86	60	930	32	11 801	-259.7	1 101.4	1981	84 12 - ABAND 83 10
32	3.70	0.188	0.45	0.86	68	921	33	11 655	-261.9	1 105.3	1972	84 12
65	3.00	0.170	0.35	0.87	62	870	33	11 457	-236.8	1 097.4	1980	83 12 - GPP
32	3.40	0.160	0.35	0.86	62	925	32	11 490	-240.4	1 113.0	1978	83 12 - GPP
192	2.07	0.206	0.32	0.85	73	896	33	11 217	-261.5	1 096.0	1963	85 09
16	1.14	0.180	0.27	0.89	56	911	36	11 968	-258.5	1 097.6	1982	88 12 - ABAND 83 10
64	1.10	0.180	0.46	0.88	56	899	34	11 464	-269.9	1 097.3	1983	83 06 - ABAND 89 11
16	2.00	0.220	0.20	0.86	62	887	32	10 711	-256.2	1 097.7	1983	84 03 - ABAND 84 02
32	1.70	0.180	0.20	0.85	73	896	33	10 462	-224.7	1 066.9	1984	85 06 - ABAND 84 11
32	1.50	0.180	0.40	0.85	64	920	33	11 728	-268.1	1 094.7	1960	88 12
16	4.00	0.200	0.34	0.90	44	990	33	12 950	-326.8	1 161.0	1984	85 06 - ABAND 87 08
32	6.50	0.270	0.19	0.89	57	910	36	11 379	-229.6	1 091.1	1980	92 12 - GPP
32	3.00	0.160	0.56	0.85	65	925	30	11 755	-304.0	1 138.6	1987	88 01 - ABAND 88 01
64	0.80	0.170	0.22	0.81	92	872	31	12 023	-255.8	1 076.5	1988	88 07 - GPP
32	16.60	0.110	0.56	0.90	62	950	92	11 146	-261.2	1 067.0	1980	90 10 - GPP
16	1.50	0.190	0.41	0.94	20	884	33	11 634	-261.7	1 129.3	1988	92 03 - ABAND 91 10
32	1.20	0.190	0.34	0.86	64	921	33	11 577	-270.0	1 100.3	1960	89 09 - GPP
64	1.50	0.170	0.37	0.90	65	897	32	11 165	-239.0	1 113.9	1990	92 04
64	1.39	0.200	0.34	0.85	73	896	33	11 312	-302.0	1 163.7	1985	93 11 - GPP
16	3.50	0.170	0.53	0.97	11	942	31		-277.5	1 108.3	1991	92 12 - GPP
16	7.60	0.220	0.36	0.83	92	898	31	10 058	-249.4	1 078.0	1991	93 04
230	9.40	0.260	0.41	0.96	80	915	29	4 612	-18.1	701.1	1979	89 08 - GPP
43	2.76	0.250	0.43	0.96	15	956	29	4 611	-15.0	673.2	1971	93 12
32	1.21	0.280	0.32	0.97	11	952	30	4 869	-20.6	652.6	1985	87 12 - ABAND 91 08
65	3.05	0.280	0.30	0.96	40	946	29	4 948	-22.5	661.1	1972	77 12 - GPP
32	2.40	0.300	0.27	0.97	14	939	26	4 840	-6.7	642.5	1972	88 12
16	1.80	0.300	0.50	0.97	12	959	42	4 755	-37.0	666.9	1986	87 01 - ABAND 89 03
16	0.90	0.300	0.32	0.96	16	984	27	5 204	-45.2	689.9	1976	92 10
48	9.84	0.180	0.38	0.96	16	955	27	4 559	-26.7	727.2	1985	86 01 - GPP
16	8.00	0.175	0.42	0.96	16	955	27	4 370	-22.7	657.0	1985	86 01 - ABAND 87 10
32	6.61	0.180	0.27	0.96	16	955	27	4 078	-12.6	662.1	1985	90 01
48	5.29	0.148	0.26	0.96	16	953	26	5 508	-19.5	724.3	1973	88 07 - GPP
144	8.07	0.150	0.39	0.97	16	959	29	4 558	-20.3	661.8	1985	88 12 - GPP
64	1.53	0.170	0.46	0.89	44	916	38	9 597	-294.5	1 104.3	1978	85 12 - GPP
49	1.92	0.300	0.10	0.97	9	946	24	3 580	110.8	528.3	1965	75 07
16	6.15	0.340	0.20	0.99	9	972	26	3 595	112.8	521.9	1977	82 12 - GPP
16	2.50	0.310	0.20	0.99	9	971	25	3 610	111.2	532.3	1981	92 10 - ABAND 92 10
48	2.56	0.300	0.16	0.99	5	965	23	3 545	63.8	570.7	1974	84 12 - GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
RIVERCOURSE 047-01W4 (CONTINUED)								
SPARKY D	696.0	0.05		34.8		34.8	13.8	21.0
SPARKY E	65.2	<0.02		1.3		1.3	1.3	
SPARKY G	148.0	0.05		7.4		7.4	1.6	5.8
CUMMINGS A	3 183.0	0.05		159.0		159.0	118.0	41.0
FIELD TOTAL	5 007.4			244.7		244.7	173.3	71.4
RIVIERE 055-27W4								
ELLERSLIE C	30.6	0.15		4.6		4.6	0.3	4.3
FIELD TOTAL *	30.6			4.6		4.6	0.3	4.3
RONALANE 013-12W4								
LOWER MANNVILLE A	147.0	<0.01		1.2		1.2	1.2	
LOWER MANNVILLE E	314.0	0.03		9.4		9.4	6.2	3.2
SAWTOOTH A	196.0	0.10		19.6		19.6	11.0	8.6
SAWTOOTH B	4 140.0	0.30		1 242.0		1 242.0	873.7	368.3
SAWTOOTH C	1 054.0	0.24		253.0		253.0	199.8	53.2
SAWTOOTH G	172.0	0.15		25.8		25.8	21.2	4.6
SAWTOOTH J	900.0	0.07		63.0		63.0	49.8	13.2
SAWTOOTH K	1 231.0	0.30		369.0		369.0	226.5	142.5
SAWTOOTH L	750.0	<0.03		17.2		17.2	17.2	
SAWTOOTH O	585.0	0.30		176.0		176.0	98.4	77.6
SAWTOOTH P	236.0	0.28		66.1		66.1	45.2	20.9
SAWTOOTH Q	44.3	<0.01		0.3		0.3	0.3	
SAWTOOTH R	147.0	0.10		14.7		14.7	1.1	13.6
SAWTOOTH S	173.0	0.21		36.3		36.3	30.4	5.9
SAWTOOTH T	105.0	0.10		10.5		10.5	0.3	10.2
SAWTOOTH U	255.0	0.10		25.5		25.5	3.0	22.5
SAWTOOTH V	2 167.0	0.15		325.0		325.0	149.0	176.0
SAWTOOTH W	57.3	0.15		8.6		8.6	0.6	8.0
SAWTOOTH X	19.1	0.10		1.9		1.9	0.1	1.8
SAWTOOTH Y	188.0	0.10		18.8		18.8	1.0	17.8
SAWTOOTH Z	224.0	0.20		44.8		44.8	11.0	33.8
SAWTOOTH AA	206.0	0.10		20.6		20.6	3.3	17.3
SAWTOOTH BB	109.0	0.15		16.4		16.4	1.4	15.0
SAWTOOTH DD	143.0	0.10		14.3		14.3	3.8	10.5
SAWTOOTH EE	165.0	0.10		16.5		16.5	5.1	11.4
SAWTOOTH FF	69.9	<0.01		0.1		0.1	0.1	
SAWTOOTH GG	61.5	0.20		12.3		12.3		12.3
FIELD TOTAL	13 859.1			2 808.9		2 808.9	1 760.7	1 048.2
RUMSEY 033-21W4								
GLAUCONITIC F	204.0	<0.01		0.4		0.4	0.4	
GLAUCONITIC H	61.4	0.15		9.2		9.2	7.1	2.1
LOWER MANNVILLE E	38.9	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE F	417.0	0.15		62.5		62.5	15.0	47.5
FIELD TOTAL	721.3			72.3		72.3	22.7	49.6
SEDGEWICK 042-12W4								
BASAL MANNVILLE C	117.0	0.10		11.7		11.7	5.7	6.0
FIELD TOTAL	117.0			11.7		11.7	5.7	6.0
SIBBALD 027-02W4								
UPPER MANNVILLE C	5 541.0			332.0	958.0	1 290.0	1 029.7	260.3
TOTAL	750.0	0.06		45.0		45.0		
PRIMARY AREA	4 791.0	0.06	0.20	287.0	958.0	1 245.0		
WATER FLOOD AREA	138.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE B	94.5	0.15		14.2		14.2	2.2	12.0
NISKU A								
FIELD TOTAL	5 773.5			346.3	958.0	1 304.3	1 032.0	272.3
SKIFF 005-14W4								
SAWTOOTH A	1 430.0	0.15		215.0		215.0	160.5	54.5
SAWTOOTH B	133.0	0.10		13.3		13.3	9.3	4.0
SAWTOOTH C	12.1	<0.08		0.9		0.9	0.9	

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
80	3.49	0.300	0.16	0.99	9	970	23	4 164	54.9	590.3	1978	92 06 - GPP
16	2.00	0.300	0.30	0.97	12	950	23	4 211	56.9	606.2	1978	92 10 - GPP
16	4.50	0.300	0.30	0.98	8	980	22	4 212	56.8	598.8	1983	92 11 - GPP
224	6.25	0.290	0.20	0.98	9	989	22	4 451	4.6	645.4	1977	91 12 - GPP
16	2.50	0.170	0.50	0.90	38	965	42		-560.3	1 240.8	1978	93 01
32	3.05	0.270	0.35	0.86	66	887	33	11 064	-175.9	952.5	1972	83 12 - ABAND 87 12
32	9.40	0.200	0.42	0.90	42	925	31	10 370	-170.2	920.2	1984	87 12 - GPP
16	8.40	0.250	0.40	0.97	10	950	33	10 463	-179.9	957.4	1985	85 10 - GPP
523	5.60	0.240	0.38	0.95	29	900	32	10 630	-170.4	945.5	1985	91 02 - GPP
227	4.41	0.240	0.49	0.86	67	881	27	10 847	-164.3	917.7	1975	93 12 - GPP
16	2.20	0.230	0.40	0.95	17	908	33	10 774	-179.7	947.3	1986	86 08 - GPP
64	8.25	0.260	0.31	0.95	18	919	33	10 044	-174.8	937.9	1986	92 12 - GPP
274	3.69	0.240	0.41	0.86	40	870	32	10 913	-166.8	937.7	1967	93 03 - GPP
64	6.50	0.280	0.30	0.92	30	884	33	10 720	-182.3	905.8	1986	92 10 - ABAND 92 07
80	4.70	0.260	0.37	0.95	18	932	33	9 412	-180.6	943.0	1987	93 12 - GPP
32	3.57	0.275	0.21	0.95	18	931	33	10 437	-171.3	948.4	1986	93 12 - GPP
16	4.50	0.240	0.73	0.95	18	931	33	9 942	-153.7	925.3	1988	89 05 - ABAND 89 12
32	5.50	0.200	0.51	0.85	64	919	28	10 769	-187.9	942.0	1988	89 10 - GPP
64	2.28	0.240	0.48	0.95	18	932	33	10 729	-183.3	946.8	1989	93 12 - GPP
16	5.00	0.230	0.40	0.95	18	931	33	10 742	-184.7	962.5	1988	90 09 - GPP
32	5.50	0.220	0.31	0.95	18	931	33	10 690	-176.7	950.5	1990	90 10 - GPP
263	5.83	0.240	0.38	0.95	15	940	34	10 668	-174.1	955.2	1985	91 10 - GPP
16	3.10	0.230	0.46	0.93	25	882	35	10 261	-172.9	891.8	1990	91 08 - GPP
16	1.30	0.220	0.56	0.95	18	931	33	9 689	-163.5	926.8	1990	91 05 - GPP
16	7.50	0.250	0.34	0.95	18	931	33	10 811	-192.2	938.3	1990	91 05 - GPP
32	4.43	0.260	0.36	0.95	18	931	33	7 007	-168.6	885.4	1991	91 11 - GPP
57	2.89	0.220	0.39	0.93	25	849	35	9 359	-190.3	965.3	1991	91 12 - GPP
16	4.60	0.230	0.31	0.93	29	965	33	7 388	-175.1	959.8	1991	92 05 - GPP
16	9.10	0.230	0.54	0.93	29	965	33	8 375	-177.3	957.5	1990	92 05 - GPP
32	4.00	0.230	0.41	0.95	14	906	34	9 292	-181.9	935.2	1991	92 11 - GPP
32	1.90	0.220	0.45	0.95	14	906	34		-153.7	916.6	1992	93 05 - ABAND 92 10
16	4.70	0.220	0.60	0.93	25	882	35		-177.1	939.7	1988	93 07 - GPP
64	4.40	0.170	0.50	0.85	50	900	44	10 123	-547.6	1 403.8	1984	85 11 - ABAND 86 09
64	1.30	0.140	0.38	0.85	57	845	40	8 579	-557.0	1 454.8	1986	87 11 - GPP
16	4.00	0.130	0.43	0.82	66	882	53	8 754	-589.2	1 450.0	1987	92 10 - GPP
128	3.06	0.190	0.37	0.89	52	882	46	9 032	-574.7	1 437.8	1987	88 01 - GPP
32	2.00	0.280	0.30	0.93	28	920	30	4 137	-221.7	916.0	1984	84 11 - GPP
949					21	963	28	9 241	-138.0	887.8	1977	89 12
181	3.41	0.256	0.50	0.95								- GPP
768	3.35	0.280	0.30	0.95								
16	5.00	0.330	0.45	0.95	66	866	64	9 068	-144.5	862.5	1980	80 09 - GPP
16	10.50	0.100	0.42	0.97	38	941	41	8 979	-286.4	1 022.3	1989	89 12 - GPP
716	1.74	0.180	0.25	0.85	30	941	33	9 259	-3.1	920.0	1964	88 12
64	1.84	0.170	0.26	0.90	30	940	31	9 434	23.8	917.1	1983	86 05 - GPP
16	1.00	0.120	0.30	0.90	22	964	31	9 431	25.2	919.0	1981	86 12 - ABAND 88 08

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
SKIFF 005-14W4 (CONTINUED)								
FIELD TOTAL	1 575.1			229.2		229.2	170.7	58.5
ST ANNE 054-05W5								
NORDEGG A	84.9	0.10		8.5		8.5	3.1	5.4
BANFF A	488.0	0.07		36.6		36.6	25.1	11.5
BANFF B	193.0	<0.01		1.7		1.7	1.6	0.1
BANFF F	89.5	0.15		13.4		13.4	2.8	10.6
BANFF G	37.1	0.20		7.4		7.4	5.7	1.7
BANFF H	319.0	<0.01		0.2		0.2	0.2	
BANFF I	72.8	0.05		3.6		3.6	2.0	1.6
BANFF K	2 500.0	0.05		125.0		125.0	43.2	81.8
BANFF C & D	1 672.0	0.10		167.0		167.0	127.7	39.3
FIELD TOTAL	5 456.3			363.4		363.4	211.4	152.0
STANMORE 028-11W4								
UPPER MANNVILLE KK	37.5	0.20		7.5		7.5	4.3	3.2
FIELD TOTAL *	37.5			7.5		7.5	4.3	3.2
STEELE 065-25W4								
GRAND RAPIDS S	358.0	0.05		17.9		17.9	0.3	17.6
FIELD TOTAL	358.0			17.9		17.9	0.3	17.6
STROME 043-16W4								
GLAUCONITIC S	20.3	0.20		4.1		4.1	0.1	4.0
ELLERSLIE A	37.3	0.06		2.2		2.2	2.2	
ELLERSLIE C	109.0	<0.01		0.1		0.1	0.1	
ELLERSLIE D	235.0	0.05		11.8		11.8	4.4	7.4
FIELD TOTAL	401.6			18.2		18.2	6.8	11.4
SUFFIELD 018-06W4								
UPPER MANNVILLE A	6 800.0	0.02		136.0		136.0	108.1	27.9
UPPER MANNVILLE D	882.0	0.02		17.6		17.6	14.1	3.5
UPPER MANNVILLE F	346.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE H	81.5	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE J	33 080.0	0.10		3 308.0		3 308.0	2 169.6	1 138.4
UPPER MANNVILLE N	487.0	0.05		24.4		24.4	14.6	9.8
UPPER MANNVILLE O	137.0	<0.01		0.3		0.3	0.3	
UPPER MANNVILLE Q	169.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE R	115.0	<0.01		0.8		0.8	0.8	
UPPER MANNVILLE S	114.0	<0.01		0.4		0.4	0.4	
UPPER MANNVILLE T	265.0	0.05		13.3		13.3	2.9	10.4
UPPER MANNVILLE U	384.0	0.10	0.05	38.4	19.2	57.6	47.8	9.8
WATER FLOOD								
UPPER MANNVILLE V	229.0	<0.02		2.7		2.7	2.7	
UPPER MANNVILLE W	66.6	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE X	59.2	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE Y	249.0	0.02		5.0		5.0	0.8	4.2
UPPER MANNVILLE Z	187.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE EE	71.0	<0.01		0.5		0.5	0.5	
UPPER MANNVILLE FF	785.0	0.03		23.6		23.6	2.5	21.1
UPPER MANNVILLE HH	122.0	0.10	0.05	12.2	6.1	18.3	10.2	8.1
WATER FLOOD								
UPPER MANNVILLE II	276.0	0.01		2.8		2.8	1.7	1.1
UPPER MANNVILLE JJ	59.7	0.10		6.0		6.0	3.9	2.1
LOWER MANNVILLE A	398.0	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE B	65.1	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE C	93.1	0.05		4.7		4.7	4.7	
LOWER MANNVILLE D	76.1	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE E	102.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE G	134.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE H	67.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE I	88.1	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE J	80.4	<0.02		1.2		1.2	1.2	
LOWER MANNVILLE K	128.0	0.05		6.4		6.4	2.7	3.7
LOWER MANNVILLE L	156.0	<0.02		1.7		1.7	1.7	
LOWER MANNVILLE M	100.0	0.06		6.0		6.0	4.6	1.4
LOWER MANNVILLE N	150.0	0.08		12.0		12.0	11.3	0.7

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
16	7.30	0.130	0.35	0.86	60	945	45	12 332	-657.2	1 416.2	1984	86 07 - GPP
32	9.80	0.190	0.09	0.90	54	919	43	13 425	-674.0	1 456.6	1978	93 12 - GPP
32	7.56	0.160	0.44	0.89	45	947	43	13 482	-679.8	1 453.8	1981	92 10
16	4.00	0.210	0.26	0.90	60	932	38	10 031	-672.7	1 439.1	1985	85 06 - GPP
32	1.50	0.120	0.30	0.92	45	940	44	13 495	-696.3	1 463.8	1984	89 12 - GPP
32	9.89	0.178	0.37	0.90	50	904	45	13 336	-689.3	1 463.5	1984	85 07 - ABAND 87 03
16	5.30	0.150	0.35	0.88	50	920	45	13 240	-682.4	1 452.0	1985	91 12
285	7.92	0.190	0.33	0.87	54	919	43	13 432	-671.2	1 442.0	1990	91 02
161	11.51	0.170	0.39	0.87	54	954	43	13 487	-673.2	1 439.4	1981	88 05 - GPP
16	2.20	0.220	0.49	0.95	18	939	37	9 582	-281.5	1 065.9	1992	92 06 - GPP
16	11.00	0.320	0.33	0.95	19	967	31	4 330	63.8	627.3	1988	89 01 - GPP
4	5.60	0.180	0.48	0.97	9	979	38	7 080	-315.9	1 040.3	1989	90 02
16	1.50	0.210	0.22	0.95	20	936	30	7 525	-316.9	1 040.8	1969	88 12
16	5.40	0.180	0.26	0.95	20	979	30	7 083	-371.5	1 107.7	1986	87 11 - ABAND 88 04
16	7.88	0.250	0.19	0.92	23	950	34	7 118	-319.7	1 044.8	1989	91 12 - GPP
640	6.47	0.250	0.27	0.90	35	986	36	11 117	-181.5	947.6	1976	91 12 - GPP
64	7.47	0.260	0.22	0.91	43	940	32	10 008	-176.9	963.7	1976	88 12 - GPP
16	11.89	0.250	0.20	0.91	35	937	28	11 210	-161.7	938.0	1977	82 12
4	12.19	0.270	0.32	0.91	30	972	31	10 134	-188.0	909.8	1977	92 11 - ABAND 77 11
1	11.00	0.270	0.20	0.91	27	979	28	10 416	-164.4	917.3	1966	90 12 - GPP
32	8.04	0.260	0.20	0.91	30	971	32	10 067	-181.5	957.0	1978	86 11
16	6.40	0.210	0.30	0.91	30	982	32	10 216	-196.0	994.3	1978	88 12
16	6.50	0.270	0.34	0.91	43	983	30	10 400	-170.9	926.8	1979	80 02 - ABAND 80 08
16	5.50	0.200	0.30	0.93	34	957	31	9 321	-192.9	994.0	1980	89 12
16	5.20	0.250	0.40	0.91	42	982	32	10 526	-169.2	894.0	1980	80 07
16	10.00	0.280	0.35	0.91	29	982	26	11 032	-165.6	927.0	1980	86 12 - GPP
32	7.03	0.250	0.25	0.91	37	951	21	10 663	-182.2	959.3	1980	92 07 - GPP
16	9.00	0.250	0.30	0.91	20	966	25	10 190	-165.6	924.0	1980	88 12
16	2.60	0.220	0.20	0.91	44	951	30	10 334	-181.3	960.3	1980	83 12
16	2.30	0.250	0.30	0.92	37	958	32	10 501	-185.3	952.2	1980	83 12
32	7.30	0.180	0.35	0.91	37	925	29	10 282	-185.2	962.2	1981	91 11 - GPP
64	1.50	0.330	0.35	0.91	35	967	31	9 943	-220.8	1 006.0	1976	88 12
16	4.00	0.200	0.41	0.94	37	959	35	10 809	-209.6	986.2	1977	84 08 - ABAND 85 10
16	23.20	0.280	0.17	0.91	28	983	27	9 224	-155.1	935.7	1986	91 12 - GPP
26	2.46	0.260	0.23	0.95	28	967	24	9 712	-179.6	962.0	1987	92 07 - GPP
4	32.40	0.300	0.22	0.91	28	982	27	10 512	-148.0	941.1	1987	92 12 - GPP
16	2.50	0.220	0.27	0.93	29	955	32	9 689	-177.1	934.4	1989	90 03 - GPP
65	7.01	0.160	0.40	0.91	35	952	35	9 677	-202.4	1 001.9	1976	76 11 - ABAND 77 05
16	2.13	0.280	0.25	0.91	34	952	33	10 280	-224.8	981.9	1977	83 12 - ABAND 86 03
32	2.46	0.200	0.35	0.91	27	972	34	9 176	-198.4	951.6	1977	89 12 - ABAND 92 06
16	3.35	0.240	0.35	0.91	32	965	32	9 340	-48.7	808.6	1977	78 04 - ABAND 78 05
16	4.57	0.220	0.30	0.91	32	959	27	11 050	-211.7	1 007.8	1977	83 12 - ABAND 82 01
16	7.32	0.210	0.40	0.91	47	990	25	10 202	-188.9	904.0	1978	78 11
16	3.30	0.210	0.35	0.93	30	986	33	10 153	-193.1	914.9	1978	79 05
16	6.10	0.190	0.50	0.95	9	990	32	10 614	-190.2	892.5	1978	88 12
16	3.40	0.250	0.35	0.91	30	969	35	10 650	-221.7	1 006.0	1978	79 04 - ABAND 80 04
16	5.70	0.220	0.30	0.91	45	943	45	10 690	-197.8	967.0	1980	92 11
16	6.30	0.230	0.25	0.90	27	978	31	11 225	-185.3	963.8	1979	81 03 - ABAND 89 03
32	2.08	0.330	0.50	0.91	34	951	36	10 655	-219.8	997.7	1982	93 12 - GPP
16	7.21	0.210	0.32	0.91	44	965	35	10 774	-211.4	974.6	1978	90 12 - GPP

TABLE 2-6

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
SUFFIELD 018-06W4 (CONTINUED)								
LOWER MANNVILLE P	1 659.0	0.20		332.0		332.0	172.1	159.9
LOWER MANNVILLE Q	12.7	<0.02		0.2		0.2	0.2	
PEKISKO A	431.0	0.05		21.6		21.6	0.7	20.9
PEKISKO B	60.6	0.10		6.1		6.1	0.1	6.0
FIELD TOTAL	48 766.1			3 985.8	25.3	4 011.1	2 582.1	1 429.0
SUNNYNOOK 026-11W4								
BASAL MANNVILLE F	120.0	<0.01		0.8		0.8	0.8	
FIELD TOTAL *	120.0			0.8		0.8	0.8	
SUPERBA 026-03W4								
DETRITAL A	213.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL	213.0			0.1		0.1	0.1	
SWIMMING 052-06W4								
UPPER MANNVILLE A	92.6	<0.01		0.4		0.4	0.4	
UPPER MANNVILLE C	409.0	<0.01		0.9		0.9	0.9	
COLONY A	89.8	<0.02		1.3		1.3	1.3	
COLONY F	129.0	<0.01		0.2		0.2	0.2	
SPARKY A	98.8	<0.01		0.4		0.4	0.4	
SPARKY B	64.3	<0.01		0.1		0.1	0.1	
GENERAL PETROLEUM A	148.0	0.03		4.4		4.4	1.6	2.8
GENERAL PETROLEUM B	208.0	0.05		10.4		10.4	8.6	1.8
FIELD TOTAL	1 239.5			18.1		18.1	13.5	4.6
TABER 009-17W4								
GLAUCONITIC A	84.2	0.05		4.2		4.2	2.4	1.8
GLAUCONITIC B	188.0	0.05		9.4		9.4	1.9	7.5
GLAUCONITIC C	49.8	0.10		5.0		5.0	0.2	4.8
GLAUCONITIC D	1 226.0	0.30		368.0		368.0	224.7	143.3
GLAUCONITIC E	160.0	0.10		16.0		16.0	2.3	13.7
GLAUCONITIC F	1 109.0	<0.03		25.6		25.6	25.6	
TABER A	181.0	0.03		5.4		5.4	5.3	0.1
TABER B	406.0	0.18		73.1		73.1	53.4	19.7
TABER C	11.8	<0.01		0.1		0.1	0.1	
TABER D	59.7	0.10		6.0		6.0	0.1	5.9
TABER E	106.0	0.10		10.6		10.6	0.8	9.8
TABER F	624.0	0.10		62.4		62.4	9.0	53.4
TABER G	159.0	0.05		8.0		8.0	6.6	1.4
TABER H	63.5	0.10		6.4		6.4	2.2	4.2
TABER I	1 700.0	0.15		255.0		255.0	122.2	132.8
TABER K	39.6	<0.01		0.2		0.2	0.2	
TABER L	1 193.0	0.25		298.0		298.0	268.4	29.6
TABER M	658.0	0.05		32.9		32.9	28.1	4.8
TABER N TOTAL	12 100.0			892.0	1 728.0	2 620.0	2 199.8	420.2
PRIMARY AREA	2 500.0	0.10		250.0		250.0		
WATER FLOOD AREA	9 600.0	<0.07	0.18	642.0	1 728.0	2 370.0		
TABER O	25.0	<0.01		0.1		0.1	0.1	
TABER P	1 174.0	0.10		117.0		117.0	60.2	56.8
TABER R	165.0	0.10		16.5		16.5	0.2	16.3
TABER Q & SAWTOOTH A	3 729.0	0.15		559.0		559.0	262.8	296.2
SAWTOOTH B	11.2	0.20		2.2		2.2	0.8	1.4
FIELD TOTAL	25 222.8			2 773.1	1 728.0	4 501.1	3 277.4	1 223.7
TABER NORTH 011-16W4								
GLAUCONITIC A	8 908.0	0.40		3 563.0		3 563.0	2 685.8	877.2
GLAUCONITIC C TOTAL	2 653.0			317.0	259.0	576.0	465.2	110.8
PRIMARY AREA	64.3	0.10		6.4		6.4		
WATER FLOOD AREA	2 589.0	0.12	0.10	311.0	259.0	570.0		
GLAUCONITIC D	35.3	<0.03		1.0		1.0	1.0	
GLAUCONITIC E	1 963.0	0.25		491.0		491.0	265.9	225.1
GLAUCONITIC H	234.0	0.10		23.4		23.4	11.2	12.2
GLAUCONITIC J	54.3	0.15		8.1		8.1	7.3	0.8
GLAUCONITIC K	62.8	0.20		12.6		12.6	0.8	11.8
OSTRACOD A	27.1	0.10		2.7		2.7	1.9	0.8
TABER A	1 950.0	0.12		235.0		235.0	224.8	10.2

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
112	9.69	0.240	0.30	0.91	37	952	32	10 790	-212.8	972.1	1977	93 12 - GPP
2	4.90	0.200	0.33	0.97	11	986	33	10 819	-216.0	967.4	1988	92 10
64	13.50	0.080	0.30	0.89	47	894	34	10 772	-232.0	983.6	1988	88 10
16	9.30	0.060	0.30	0.97	10	977	32	10 748	-229.5	983.3	1988	88 12
32	2.00	0.250	0.20	0.94	27	940	35	10 158	-285.5	1 059.0	1978	83 12 - ABAND 84 10
16	8.50	0.300	0.45	0.95	18	958	34	9 220	-171.2	930.2	1981	85 12
16	2.10	0.320	0.13	0.99	10	977	25	4 278	61.5	565.6	1978	83 12 - ABAND 83 05
8	19.10	0.300	0.10	0.99	10	985	25	5 079	112.9	512.7	1981	92 11
16	3.00	0.270	0.30	0.99	10	985	25	4 943	120.4	502.5	1980	88 12 - GPP
16	3.20	0.300	0.15	0.99	10	990	28	5 094	118.8	518.6	1980	82 10 - ABAND 84 08
16	3.20	0.300	0.35	0.99	7	985	25	4 001	85.5	536.4	1979	88 12 - GPP
16	2.00	0.290	0.30	0.99	7	990	25	4 098	79.6	547.5	1979	84 07 - ABAND 84 01
16	4.20	0.310	0.28	0.99	9	987	27	4 346	54.7	571.9	1983	84 07 - GPP
16	6.00	0.300	0.27	0.99	9	976	27	4 376	57.2	575.5	1980	82 05
64	1.00	0.200	0.30	0.94	17	947	29	11 267	-168.4	977.5	1983	84 05 - GPP
16	6.50	0.260	0.22	0.89	57	835	30	10 269	-116.9	961.5	1989	91 07
16	3.10	0.240	0.56	0.95	17	880	29	10 446	-137.4	960.1	1990	90 11 - GPP
112	5.54	0.260	0.20	0.95	17	879	29	10 601	-157.5	957.3	1991	92 10 - GPP
16	5.80	0.250	0.28	0.96	15	946	33	10 649	-163.4	965.4	1989	90 01 - GPP
32	18.29	0.280	0.28	0.94	23	946	33	10 869	-152.3	953.9	1964	78 12 - ABAND 75 07
50	3.10	0.210	0.41	0.94	23	946	33	10 770	-133.1	996.8	1944	92 12 - GPP
100	3.32	0.200	0.35	0.94	23	921	33	10 509	-135.4	991.8	1978	84 12 - GPP
16	1.00	0.150	0.49	0.96	15	955	36	10 078	-133.9	972.5	1984	85 06 - ABAND 86 04
16	4.39	0.167	0.47	0.96	15	947	33	10 856	-157.4	968.2	1988	89 05
16	4.10	0.190	0.11	0.96	15	946	33	10 614	-140.8	990.5	1989	89 01 - GPP
157	4.12	0.180	0.43	0.94	23	921	80	9 930	-145.2	987.2	1991	92 01
16	8.00	0.210	0.37	0.94	20	945	38	10 859	-157.8	983.6	1985	93 12 - GPP
16	5.30	0.150	0.48	0.96	15	934	36	10 641	-154.8	974.5	1992	92 04 - GPP
167	8.60	0.210	0.40	0.94	20	883	33	10 000	-168.9	976.4	1990	93 05 - GPP
16	2.30	0.170	0.34	0.96	15	928	23	10 766	-133.9	957.2	1985	86 04 - ABAND 90 05
288	4.08	0.180	0.40	0.94	23	921	33	10 273	-137.0	979.3	1944	92 02 - GPP
67	7.54	0.210	0.34	0.94	20	946	38	10 851	-155.8	986.9	1937	92 01 - GPP
1 459	5.92	0.210	0.35	0.97	16	940	36	10 600	-138.3	963.7	1942	89 12
319	6.20	0.209	0.33	0.97								- GPP
1 140	1.83	0.150	0.40	0.95	28	940	26	10 561	-144.8	964.7	1974	92 07
176	6.12	0.200	0.42	0.94	23	921	33	10 863	-141.9	981.7	1945	92 06 - GPP
16	8.30	0.180	0.28	0.96	15	933	36		-175.4	993.5	1990	93 05 - GPP
345	8.23	0.190	0.28	0.96	15	940	33	10 536	-180.9	958.3	1989	92 09 - GPP
16	0.70	0.210	0.50	0.95	17	919	37	10 271	-173.0	992.7	1992	92 11 - GPP
440	10.75	0.250	0.19	0.93	17	879	30	10 732	-162.7	947.6	1979	93 07 - GPP
408					57	894	30	11 402	-185.1	969.6	1980	91 12 - GPP
64	1.10	0.140	0.25	0.87								
344	6.07	0.190	0.25	0.87								
16	4.80	0.100	0.50	0.92	36	937	32	7 508	-185.5	974.5	1981	89 12
205	6.00	0.240	0.30	0.95	17	899	29	10 859	-162.1	954.8	1978	93 04 - GPP
32	5.50	0.200	0.30	0.95	17	899	29	10 191	-167.3	959.7	1984	86 01 - GPP
16	4.10	0.150	0.40	0.92	17	889	29	9 956	-171.8	934.4	1986	90 12 - GPP
64	1.10	0.170	0.41	0.89	57	835	30	10 906	-156.9	943.7	1983	90 09 - GPP
16	1.40	0.200	0.37	0.96	79	945	33	9 878	-184.0	987.3	1990	91 07 - GPP
713	2.77	0.210	0.50	0.94	32	887	29	11 118	-180.4	978.4	1966	70 08 - GPP

TABLE 2-6

FIELD POOL	1 INITIAL VOLUME IN PLACE 10 ³ m ³	2 3		4 5		6	7 CUMULATIVE PRODUCTION 10 ³ m ³	8 REMAINING ESTABLISHED RESERVES 10 ³ m ³
		RECOVERY		INITIAL ESTABLISHED RESERVES				
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
		frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³		
TABER NORTH 011-16W4 (CONTINUED)								
TABER B	556.0	0.10		55.6		55.6	45.5	10.1
TABER C	2 671.0	0.12		321.0		321.0	246.8	74.2
TABER D	1 450.0	0.25		363.0		363.0	268.1	94.9
TABER E	1 121.0	0.10		112.0		112.0	51.6	60.4
TABER I	115.0	0.15		17.3		17.3	15.9	1.4
TABER J	229.0	<0.01		0.2		0.2	0.2	
TABER K	1 242.0	0.25		311.0		311.0	280.7	30.3
TABER L	98.8	<0.01		0.7		0.7	0.7	
TABER M	158.0	<0.01		0.1		0.1	0.1	
TABER O	999.0	0.20		200.0		200.0	133.0	67.0
TABER S	46.6	<0.02		0.8		0.8	0.8	
TABER T	49.3	0.10		4.9		4.9	0.4	4.5
TABER U	61.0	<0.01		0.2		0.2	0.2	
TABER V	447.0	0.05		22.4		22.4	9.1	13.3
TABER W	152.0	0.10		15.2		15.2	7.0	8.2
SAWTOOTH A	48.4	0.01		0.5		0.5	0.5	
FIELD TOTAL	25 331.6			6 078.7	259.0	6 337.7	4 724.5	1 613.2
TABER SOUTH 007-16W4								
MANNVILLE A TOTAL	9 939.0			497.0	934.0	1 431.0	1 203.8	227.2
PRIMARY AREA	600.0	0.05		30.0		30.0		
WATER FLOOD AREA	9 339.0	0.05	0.10	467.0	934.0	1 401.0		
MANNVILLE B	6 998.0	0.07	0.28	490.0	1 960.0	2 450.0	2 185.7	264.3
WATER FLOOD								
MANNVILLE D	400.0	0.10	0.20	40.0	80.0	120.0	24.1	95.9
WATER FLOOD								
MANNVILLE F	1 760.0	0.10		176.0		176.0	50.0	126.0
MANNVILLE H	66.0	<0.01		0.5		0.5	0.5	
MANNVILLE L	388.0	0.02		7.8		7.8	3.3	4.5
MANNVILLE M TOTAL	402.0			20.0	53.0	73.0	25.9	47.1
PRIMARY AREA	137.0	0.05		6.8		6.8		
WATER FLOOD AREA	265.0	0.05	0.20	13.2	53.0	66.2		
MANNVILLE N	85.5	0.15		12.8		12.8	2.4	10.4
GLAUCONITIC A	403.0	0.04		16.1		16.1	14.7	1.4
GLAUCONITIC B	51.6	0.05		2.6		2.6	1.7	0.9
GLAUCONITIC C	411.0	0.10		41.1		41.1	32.2	8.9
GLAUCONITIC E	748.0	0.05		37.4		37.4	4.1	33.3
GLAUCONITIC F	77.5	0.15		11.6		11.6	6.3	5.3
SAWTOOTH A	32.3	0.15		4.8		4.8	2.7	2.1
LIVINGSTONE A	139.0	0.05		7.0		7.0	1.3	5.7
TURNER VALLEY A	505.0	0.05		25.3		25.3	9.4	15.9
FIELD TOTAL	22 405.9			1 390.0	3 027.0	4 417.0	3 568.1	848.9
TABER SOUTH-EAST 008-15W4								
MANNVILLE A	1 462.0	0.15		219.0		219.0	199.7	19.3
MANNVILLE B	217.0	<0.01		0.2		0.2	0.2	
MANNVILLE C	336.0	0.07		23.5		23.5	19.5	4.0
MANNVILLE D	1 027.0	0.15		154.0		154.0	86.9	67.1
MANNVILLE F	34.4	0.10		3.4		3.4	1.7	1.7
FIELD TOTAL	3 076.4			400.1		400.1	308.0	92.1
TOMAHAWK 052-05W5								
ELLERSLIE A	141.0	<0.01		0.8		0.8	0.8	
ELLERSLIE B	73.8	0.10		7.4		7.4	1.2	6.2
FIELD TOTAL *	214.8			8.2		8.2	2.0	6.2
VERGER 022-15W4								
MANNVILLE A	78.2	<0.01		0.3		0.3	0.3	
MANNVILLE D	279.0	<0.02		4.7		4.7	4.7	
MANNVILLE F	149.0	0.10		14.9		14.9	6.3	8.6
UPPER MANNVILLE C	1 085.0	<0.03		25.0		25.0	21.4	3.6
FIELD TOTAL *	1 591.2			44.9		44.9	32.7	12.2
VERMILION 050-05W4								
SPARKY A	7 722.0	0.09		695.0		695.0	633.1	61.9

HEAVY CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
184	2.59	0.200	0.38	0.94	16	887	31	11 397	-186.7	972.7	1967	84 12 - GPP
226	10.18	0.190	0.35	0.94	22	940	37	11 195	-180.2	990.3	1974	93 08 - GPP
214	6.46	0.180	0.38	0.94	21	940	32	11 182	-179.8	994.4	1976	93 10 - GPP
132	7.07	0.180	0.29	0.94	27	940	32	10 893	-175.9	986.7	1977	93 08 - GPP
32	5.00	0.150	0.49	0.94	25	940	32	10 757	-187.6	963.2	1981	85 12 - GPP
64	3.20	0.170	0.30	0.94	20	884	33	10 675	-191.1	977.4	1982	87 12 - ABAND 89 06
368	3.15	0.190	0.40	0.94	15	896	54	10 511	-190.4	963.6	1983	91 12
32	2.50	0.180	0.27	0.94	25	924	35	10 702	-197.6	981.9	1983	83 11 - ABAND 84 04
64	3.60	0.140	0.48	0.94	15	893	54	10 845	-189.4	981.2	1983	84 05 - ABAND 88 11
296	4.34	0.160	0.46	0.90	38	934	32	10 133	-166.4	970.7	1983	93 12 - GPP
16	2.50	0.200	0.38	0.94	16	887	33	8 976	-189.9	978.3	1981	88 12 - ABAND 92 02
16	2.20	0.200	0.27	0.96	14	945	33	9 279	-190.4	987.4	1987	88 06 - GPP
16	4.10	0.180	0.45	0.94	20	884	33	10 388	-195.5	988.6	1988	89 05 - ABAND 91 03
64	6.45	0.180	0.36	0.94	15	893	54	10 373	-193.7	999.2	1989	91 07 - GPP
65	2.00	0.190	0.36	0.96	14	945	33	9 820	-182.9	986.8	1989	91 06 - GPP
16	2.20	0.230	0.35	0.92	35	895	29	10 594	-198.0	990.1	1980	89 12
1 306					7	946	35	10 048	-62.2	998.3	1963	88 12
183	2.60	0.200	0.35	0.97								- GPP
1 123	6.97	0.205	0.40	0.97								- GPP
501	7.62	0.260	0.25	0.94	16	940	41	9 939	-48.1	986.0	1963	90 08 - GPP
99	2.64	0.220	0.21	0.88	46	898	31	9 774	-73.5	978.3	1965	93 12 - GPP
286	6.30	0.190	0.47	0.97	6	939	32	9 466	-65.0	1 004.9	1979	93 03 - GPP
32	3.00	0.156	0.55	0.98	6	920	32	9 864	-71.6	978.4	1984	84 06 - ABAND 87 01
93	3.69	0.170	0.30	0.95	15	945	36	8 425	-77.0	994.5	1978	90 10 - GPP
60					7	946	35	8 709	-44.2	985.5	1988	92 02
16	7.40	0.190	0.37	0.97								
44	3.94	0.210	0.25	0.97								
16	5.20	0.200	0.47	0.97	7	943	32		-57.1	1 004.8	1992	93 02 - GPP
59	6.34	0.180	0.37	0.95	17	899	29	9 547	-67.8	981.4	1983	90 10 - GPP
16	2.70	0.160	0.23	0.97	15	935	33	10 033	-34.4	983.4	1984	85 05 - GPP
66	3.95	0.210	0.21	0.95	17	914	29	9 856	-86.7	990.9	1986	93 01
170	4.94	0.180	0.49	0.97	11	944	30	9 694	-70.1	1 001.9	1990	93 03 - GPP
32	2.50	0.170	0.40	0.95	15	945	36		-102.1	981.8	1992	93 12 - GPP
64	0.70	0.120	0.36	0.94	24	899	33	10 267	-132.1	1 007.2	1990	93 12 - GPP
16	6.50	0.180	0.21	0.94	58	892	32	10 480	-145.0	1 029.8	1992	93 03 - GPP
64	7.50	0.160	0.30	0.94	24	897	31	10 369	-132.7	1 013.3	1986	86 08 - GPP
380	3.41	0.200	0.40	0.94	16	915	29	10 158	-71.5	972.3	1963	85 12 - GPP
24	8.45	0.190	0.40	0.94	16	945	36	10 099	-64.8	975.8	1965	92 12 - GPP
64	5.96	0.170	0.46	0.96	16	934	36	9 867	-59.3	953.2	1973	89 12 - GPP
472	2.06	0.200	0.45	0.96	10	915	32	10 221	-79.7	960.4	1974	93 06 - GPP
32	2.00	0.160	0.65	0.96	10	917	32	9 936	-70.6	986.3	1987	88 07 - GPP
32	6.00	0.150	0.43	0.86	58	978	52	16 080	-895.8	1 707.0	1979	80 02 - ABAND 91 01
16	4.00	0.180	0.34	0.97	45	957	46	14 227	-817.9	1 619.5	1988	88 12 - GPP
16	4.00	0.200	0.35	0.94	19	960	40	10 378	-325.3	1 057.4	1960	83 12 - ABAND 83 10
192	2.56	0.180	0.65	0.90	41	915	46	10 483	-330.8	1 062.2	1970	92 11 - GPP
64	1.50	0.260	0.33	0.89	45	892	38	10 051	-401.7	1 170.3	1980	85 04 - GPP
192	6.58	0.160	0.39	0.88	57	881	36	10 214	-279.0	983.1	1970	92 12 - GPP
1 325	2.71	0.280	0.20	0.96	11	965	27	5 431	74.7	559.3	1939	92 12 - GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
VERMILION 050-05W4 (CONTINUED) FIELD TOTAL	7 722.0			695.0		695.0	633.1	61.9
VIKING-KINSELLA 047-11W4								
UPPER MANNVILLE B	291.0	<0.01		0.3		0.3	0.3	
UPPER MANNVILLE C	77.2	0.06		4.6		4.6	4.0	0.6
UPPER MANNVILLE K	100.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE R	191.0	<0.01		1.3		1.3	1.3	
UPPER MANNVILLE X	39.8	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE CC	75.2	<0.02		1.2		1.2	1.2	
UPPER MANNVILLE QQ	146.0	<0.01		0.4		0.4	0.4	
UPPER MANNVILLE CCC	469.0	0.05		23.5		23.5	5.4	18.1
COLONY YY	127.0	<0.01		0.1		0.1	0.1	
COLONY ZZ	82.6	<0.01		0.5		0.5	0.5	
COLONY QQQ	139.0	<0.01		0.3		0.3	0.3	
COLONY ZZZ	82.1	<0.01		0.6		0.6	0.6	
SPARKY E	99.5	<0.01		0.5		0.5	0.5	
SPARKY F TOTAL	5 342.0			267.0	1 483.0	1 750.0	1 044.2	705.8
PRIMARY AREA	400.0	0.05		20.0		20.0		
WATER FLOOD AREA	4 942.0	0.05	0.30	247.0	1 483.0	1 730.0		
SPARKY G	241.0	<0.01		0.6		0.6	0.6	
SPARKY I	411.0	0.10		41.1		41.1	14.7	26.4
SPARKY J	308.0	<0.01		0.6		0.6	0.6	
WAINWRIGHT B	20 910.0	0.05	0.23	1 046.0	4 809.0	5 855.0	5 030.2	824.8
WATER FLOOD								
WAINWRIGHT D	1 022.0	<0.03		22.3		22.3	22.3	
WAINWRIGHT E	78.7	0.01		0.8		0.8	0.8	
WAINWRIGHT H	136.0	<0.01		0.7		0.7	0.7	
WAINWRIGHT I	76.5	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE K	92.5	<0.01		0.2		0.2	0.2	
D-2 H	31.5	0.10		3.2		3.2	2.6	0.6
D-2 J	138.0	0.05		6.9		6.9	5.0	1.9
FIELD TOTAL	30 706.6			1 423.1	6 292.0	7 715.1	6 136.9	1 578.2
WAINWRIGHT 045-06W4								
VIKING, COLONY	137.0	0.07		9.6		9.6	6.1	3.5
G.R.V.W & EE								
COLONY P	63.0	0.07		4.4		4.4	3.9	0.5
COLONY CC	686.0	0.11		75.5		75.5	64.1	11.4
COLONY MM	37.7	<0.01		0.1		0.1	0.1	
COLONY NN	21.2	<0.01		0.1		0.1	0.1	
COLONY CCC	42.6	0.10		4.3		4.3	0.1	4.2
COLONY JJJ	153.0	0.10		15.3		15.3	1.6	13.7
SPARKY B	439.0	0.05		22.0		22.0	18.0	4.0
SPARKY C	329.0	0.03		9.9		9.9	1.3	8.6
SPARKY F	91.2	0.05		4.6		4.6	1.9	2.7
SPARKY G	99.0	<0.06		5.4		5.4	5.1	0.3
SPARKY H	50.2	<0.01		0.1		0.1	0.1	
SPARKY J TOTAL	416.0			25.0	58.9	83.9	63.5	20.4
PRIMARY AREA	106.0	0.06		6.4		6.4		
WATER FLOOD AREA	310.0	0.06	0.19	18.6	58.9	77.5		
SPARKY K	31.2	0.05		1.6		1.6	1.0	0.6
SPARKY L	31.0	0.05		1.6		1.6	0.6	1.0
SPARKY N	46.2	<0.01		0.1		0.1	0.1	
SPARKY O	51.2	<0.01		0.1		0.1		0.1
SPARKY P	44.2	<0.01		0.3		0.3	0.3	
SPARKY R	34.8	<0.01		0.1		0.1	0.1	
SPARKY U	24.7	<0.01		0.1		0.1	0.1	
SPARKY W	39.5	<0.01		0.1		0.1		0.1
SPARKY X	40.0	<0.01		0.2		0.2	0.2	
SPARKY Y	26.1	0.05		1.3		1.3	0.2	1.1
SPARKY Z	34.2	0.15		5.1		5.1	3.4	1.7
SPARKY BB	176.0	0.05		8.8		8.8	0.1	8.7
WAINWRIGHT B TOTAL	4 337.0			217.0	401.0	618.0	206.0	412.0
PRIMARY AREA	1 829.0	0.05		91.5		91.5		
WATER FLOOD AREA	2 508.0	0.05	0.16	125.0	401.0	526.0		
WAINWRIGHT C TOTAL	2 098.0			126.0	65.2	191.0	123.9	67.1
PRIMARY AREA	468.0	0.06		28.1		28.1		
WATER FLOOD AREA	1 630.0	0.06	0.04	97.8	65.2	163.0		

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
65	2.13	0.290	0.23	0.94	21	927	34	4 923	-14.0	717.8	1973	82 12
16	3.35	0.250	0.40	0.96	18	946	28	4 776	-23.4	688.2	1975	93 12 - GPP
65	0.91	0.290	0.39	0.96	19	952	29	5 457	-67.5	765.5	1975	77 03 - ABAND 87 06
16	7.70	0.300	0.45	0.94	21	927	31	6 599	-55.6	752.1	1972	92 11
16	1.50	0.270	0.36	0.96	18	970	29	5 775	-23.3	744.2	1978	79 04 - ABAND 86 10
16	2.40	0.300	0.32	0.96	10	939	33	5 302	-20.9	733.2	1979	80 07 - ABAND 87 10
16	5.40	0.280	0.37	0.96	17	949	30	5 519	-42.8	746.3	1980	88 12
192	1.87	0.233	0.34	0.85	64	864	33	5 009	-64.6	764.0	1978	84 01 - GPP
64	1.30	0.320	0.50	0.95	21	946	28	4 961	50.3	652.7	1981	88 12
16	2.40	0.320	0.30	0.96	17	964	25	4 720	80.0	620.7	1976	92 10
16	4.60	0.300	0.30	0.90	18	961	92	3 127	77.8	601.7	1976	84 11
16	4.00	0.250	0.43	0.90	38	926	28	5 330	-41.8	741.0	1991	92 06 - ABAND 92 02
16	2.90	0.330	0.33	0.97	10	950	20	5 118	14.5	658.6	1985	92 10
1 184					18	928	28	5 720	-26.0	722.9	1981	92 12
176	1.41	0.240	0.30	0.96								- GPP
1 008	3.04	0.240	0.30	0.96								- ABAND 88 03
32	3.49	0.300	0.25	0.96	17	934	28	5 102	13.9	656.3	1985	87 11 - ABAND 88 03
64	3.50	0.300	0.35	0.94	21	910	30	5 471	-69.7	772.0	1988	93 12
16	13.80	0.200	0.28	0.97	13	931	24	5 469	-19.5	730.5	1988	89 05 - ABAND 89 09
3 134	3.46	0.300	0.33	0.96	15	927	27	4 938	-0.6	664.4	1973	93 12 - GPP
156	3.46	0.290	0.32	0.96	17	965	28	5 342	7.0	684.5	1976	92 10
16	2.44	0.280	0.25	0.96	17	965	27	5 147	8.5	673.0	1976	89 12 - ABAND 92 03
32	2.21	0.300	0.34	0.97	15	958	27	5 072	15.0	688.1	1978	83 12
16	2.20	0.310	0.27	0.96	10	956	34	5 495	-23.5	740.9	1978	82 12 - ABAND 87 10
16	2.70	0.300	0.17	0.86	70	990	31	5 704	-115.2	843.1	1977	83 12
16	2.48	0.126	0.35	0.97	20	970	28	4 963	-56.3	761.8	1986	86 10 - GPP
16	6.70	0.170	0.22	0.97	20	970	28	4 789	-38.1	625.5	1987	88 03 - GPP
32	1.95	0.330	0.30	0.95	20	946	30	5 589	62.1	597.9	1929	83 04 - GPP
16	1.83	0.310	0.27	0.95	15	946	27	4 078	43.5	626.8	1972	85 12 - GPP
96	3.51	0.300	0.30	0.97	16	955	31	4 439	62.3	593.4	1973	93 12 - GPP
16	1.70	0.280	0.50	0.99	12	947	25	4 535	54.2	643.9	1984	88 12
16	1.00	0.250	0.43	0.93	29	980	28	3 996	63.6	591.9	1982	85 09 - ABAND 86 01
16	2.00	0.290	0.46	0.85	20	930	25	4 238	60.1	588.6	1980	90 06 - GPP
16	6.00	0.240	0.30	0.95	23	953	22	4 226	46.6	631.0	1991	92 04 - GPP
48	7.42	0.250	0.47	0.93	14	959	27	4 451	3.0	646.7	1967	88 12 - GPP
65	2.13	0.330	0.25	0.96	16	959	31	4 436	34.9	657.3	1975	77 12
32	2.28	0.240	0.44	0.93	15	921	27	3 944	22.8	639.7	1975	79 11 - GPP
32	2.00	0.260	0.38	0.96	16	945	25	4 603	23.9	635.5	1978	93 12 - GPP
16	3.00	0.220	0.50	0.95	23	950	28	4 615	24.7	628.3	1980	80 09
156					14	960	30	4 666	25.1	661.3	1957	93 12 - GPP
56	1.20	0.270	0.37	0.93								
100	1.96	0.270	0.37	0.93								
8	2.50	0.250	0.33	0.93	32	904	30	4 434	25.9	615.8	1981	92 10 - GPP
8	2.30	0.270	0.35	0.96	16	921	33	4 909	27.0	614.4	1982	92 10 - GPP
16	2.70	0.230	0.50	0.93	14	960	25	4 419	22.8	648.2	1983	88 12 - ABAND 89 11
16	2.50	0.250	0.45	0.93	14	960	23	4 074	25.0	626.3	1984	88 12 - ABAND 90 05
16	2.00	0.270	0.45	0.93	14	960	27	4 490	20.3	625.2	1984	84 09 - ABAND 85 08
16	1.70	0.250	0.45	0.93	20	960	25	3 345	18.0	630.3	1984	84 11 - ABAND 90 05
16	1.20	0.260	0.48	0.95	12	960	23	4 000	21.6	652.0	1984	89 12
16	1.60	0.280	0.42	0.95	21	980	28	4 314	23.0	634.4	1985	85 09 - ABAND 85 12
16	1.70	0.280	0.44	0.94	12	939	26	4 064	28.8	614.2	1985	88 12
16	1.30	0.270	0.50	0.93	12	924	26	4 465	25.6	680.8	1985	86 04 - GPP
32	0.71	0.270	0.40	0.93	12	930	25	4 219	27.3	637.6	1985	93 12 - GPP
32	3.20	0.280	0.36	0.96	15	920	33	4 172	0.8	672.4	1988	89 08
904					14	904	27	4 639	18.7	661.4	1974	93 01
388	3.19	0.270	0.43	0.96								- GPP
516	3.41	0.270	0.45	0.96								- GPP
363					15	921	27	4 855	17.9	689.7	1931	93 05
161	1.82	0.260	0.34	0.93								- GPP
202	5.06	0.260	0.34	0.93								- GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
WAINWRIGHT 045-06W4 (CONTINUED)								
WAINWRIGHT & SPARKY A TOTAL	45 110.0			3 035.0	10 980.0	14 020.0	12 458.5	1 561.5
PRIMARY AREA	4 445.0	0.10		445.0		445.0		
WATER FLOOD AREA	40 660.0	<0.07	0.27	2 590.0	10 980.0	13 570.0		
GENERAL PETROLEUM B	81.2	<0.01		0.4		0.4	0.4	
GENERAL PETROLEUM C	24.0	0.10		2.4		2.4	1.1	1.3
REX A	80.0	0.03		2.4		2.4	0.3	2.1
REX B	5.5	0.05		0.3		0.3	0.2	0.1
LLOYDMINSTER A	133.0	0.11		14.6		14.6	12.7	1.9
LLOYDMINSTER B	128.0	<0.04		4.0		4.0	4.0	
LLOYDMINSTER C	88.9	<0.01		0.1		0.1	0.1	
DETRITAL B	68.6	0.10		6.9		6.9	0.2	6.7
NISKU A	4 573.0	0.08		366.0		366.0	298.2	67.8
NISKU E	29.8	0.20		6.0		6.0	2.8	3.2
NISKU F	19.4	<0.01		0.1		0.1	0.1	
CAMROSE A	2 080.0	0.13		270.0		270.0	182.7	87.3
FIELD TOTAL	62 000.4			4 246.9	11 505.1	15 756.8	13 463.2	2 293.6
WARWICK 052-14W4								
UPPER MANNVILLE J	726.0	<0.04		23.6		23.6	23.6	
UPPER MANNVILLE V	38.2	<0.01		0.1		0.1	0.1	
FIELD TOTAL	764.2			23.7		23.7	23.7	
WILDMERE 048-05W4								
UPPER MANNVILLE A	69.1	<0.03		1.8		1.8	1.8	
COLONY I	338.0	0.05		16.9		16.9	6.2	10.7
COLONY U	151.0	<0.01		0.1		0.1	0.1	
COLONY BB & WASECA A	1 102.0	0.02		22.0		22.0	0.4	21.6
SPARKY B	4 080.0	0.06		245.0		245.0	226.2	18.8
SPARKY G	164.0	0.05		8.2		8.2	4.9	3.3
SPARKY H	200.0	0.05		10.0		10.0	5.6	4.4
SPARKY I	40.2	<0.01		0.1		0.1	0.1	
SPARKY M	65.6	<0.01		0.1		0.1	0.1	
SPARKY N	10 800.0	0.02		216.0		216.0	134.6	81.4
SPARKY O	733.0	0.05		36.7		36.7	9.6	27.1
SPARKY Q	115.0	<0.01		0.1		0.1	0.1	
SPARKY R & GENERAL PETROLEUM C	119.0	<0.01		0.1		0.1	0.1	
SPARKY J & GENERAL PETROLEUM B	180.0	<0.01		1.6		1.6	1.6	
GENERAL PETROLEUM A	400.0	0.05		20.0		20.0	18.1	1.9
GENERAL PETROLEUM D	101.0	<0.01		0.1		0.1	0.1	
LLOYDMINSTER B	217.0	<0.01		1.4		1.4	1.4	
LLOYDMINSTER C	2 050.0	0.03		61.5		61.5	27.4	34.1
LLOYDMINSTER D	401.0	0.02		8.0		8.0	3.4	4.6
LLOYDMINSTER E	140.0	<0.02		1.6		1.6	1.6	
LLOYDMINSTER F	190.0	<0.01		0.3		0.3	0.3	
LLOYDMINSTER G	143.0	<0.01		0.3		0.3	0.3	
LLOYDMINSTER H	133.0	<0.01		0.2		0.2	0.2	
LLOYDMINSTER I	97.0	0.05		4.9		4.9	2.6	2.3
LLOYDMINSTER K	184.0	<0.01		0.2		0.2	0.2	
LLOYDMINSTER L	169.0	0.05		8.5		8.5	6.0	2.5
LLOYDMINSTER M	177.0	0.05		8.9		8.9	2.9	6.0
LLOYDMINSTER N	216.0	<0.01		0.8		0.8	0.8	
LLOYDMINSTER P	2 522.0	0.03		75.6		75.6	22.1	53.5
LLOYDMINSTER Q	242.0	0.05		12.1		12.1	5.9	6.2
LLOYDMINSTER R	100.0	<0.01		0.4		0.4	0.4	
LLOYDMINSTER V	400.0	<0.02		4.6		4.6	4.6	
LLOYDMINSTER W	295.0	0.05		14.8		14.8	0.1	14.7
LLOYDMINSTER A & SPARKY E TOTAL	43 420.0			3 114.0	960.0	4 074.0	2 715.6	1 358.4
PRIMARY AREA	31 420.0	0.08		2 514.0		2 514.0		
WATER FLOOD AREA	12 000.0	0.05	0.08	600.0	960.0	1 560.0		
FIELD TOTAL	69 753.9			3 896.9	960.0	4 856.9	3 205.4	1 651.5
WRENTHAM 006-16W4								
GLAUCONITIC B	229.0	0.10		22.9		22.9	11.2	11.7
LOWER MANNVILLE A	333.0	<0.01		0.1		0.1	0.1	

9	10	11	12	13	14	15	16	17	18	19	20	21
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	DATUM DEPTH	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m MSL	m KB		
6 828					15	921	27	4 923	23.9	624.9	1923	92 12 - GPP
941	2.49	0.300	0.32	0.93								
5 887	3.25	0.313	0.27	0.93								
8	5.18	0.310	0.32	0.93	24	904	23	4 544	10.8	638.1	1975	92 11 - ABAND 76 02
8	2.70	0.240	0.50	0.93	10	906	30	4 658	24.0	662.2	1985	87 07 - GPP
16	3.50	0.240	0.38	0.96	16	893	26	5 878	8.7	647.0	1986	92 12
16	0.70	0.220	0.75	0.90	43	924	32	6 353	5.1	701.3	1985	89 02 - GPP
10	7.92	0.300	0.40	0.93	14	921	28	4 391	21.3	652.6	1968	93 12 - GPP
16	3.39	0.330	0.25	0.95	32	959	28	4 577	-0.5	679.6	1974	92 11 - ABAND 83 03
16	3.00	0.300	0.35	0.95	21	952	28	4 612	3.8	663.8	1981	82 05 - ABAND 81 12
16	2.50	0.330	0.35	0.80	90	855	29	4 522	-4.6	688.7	1984	87 12
606	6.80	0.170	0.32	0.96	14	957	24	4 345	8.4	643.4	1982	88 12
16	4.90	0.090	0.56	0.96	15	953	25	4 426	0.4	664.8	1985	92 12 - GPP
16	3.00	0.100	0.58	0.96	15	953	24	4 418	12.7	659.0	1985	86 06 - ABAND 87 08
523	4.13	0.170	0.41	0.96	31	955	29	4 389	0.1	674.2	1984	91 11 - GPP
128	3.42	0.275	0.33	0.90	22	910	29	5 770	-3.9	652.5	1971	88 12
16	1.52	0.270	0.40	0.97	11	927	29	5 306	40.6	584.8	1977	79 12 - ABAND 78 10
16	1.83	0.320	0.24	0.97	15	952	21	4 237	40.5	595.0	1975	88 12 - GPP
48	2.95	0.330	0.27	0.99	8	977	22	4 030	91.3	576.8	1981	83 06 - GPP
16	4.30	0.320	0.30	0.98	15	970	22	4 077	96.3	560.5	1974	88 12 - ABAND 92 07
48	9.00	0.310	0.16	0.98	7	987	28	4 258	72.3	602.4	1978	91 11
597	2.59	0.320	0.15	0.97	15	959	32	6 998	48.4	607.0	1965	86 12 - GPP
64	1.75	0.280	0.46	0.97	14	939	26	5 958	53.0	591.3	1979	81 02
73	1.60	0.290	0.39	0.97	10	953	25	3 292	62.8	550.2	1979	85 12 - GPP
16	1.20	0.300	0.28	0.97	10	958	25	3 310	60.2	548.7	1980	88 12
16	2.20	0.320	0.40	0.97	12	984	25	5 959	50.8	586.9	1981	82 05 - ABAND 85 07
913	5.39	0.310	0.27	0.97	14	966	23	4 674	61.9	563.4	1982	92 12 - GPP
112	3.06	0.300	0.28	0.99	10	973	28	4 933	37.9	657.8	1982	84 08 - GPP
16	3.20	0.310	0.25	0.97	25	980	25	4 602	37.3	633.4	1984	88 12
32	2.00	0.300	0.36	0.97	11	982	29	4 482	36.5	620.1	1981	84 12 - ABAND 86 12
48	1.87	0.300	0.31	0.97	13	950	25	4 470	37.9	601.0	1979	92 11 - GPP
64	2.98	0.300	0.28	0.97	11	935	29	4 485	39.8	624.9	1975	85 12 - GPP
16	2.90	0.320	0.30	0.97	12	987	24	4 518	36.4	639.3	1986	86 11 - ABAND 88 12
16	5.48	0.310	0.19	0.99	9	965	26	3 884	1.8	591.6	1953	89 12
208	4.52	0.290	0.24	0.99	9	990	27	4 828	5.5	641.9	1978	84 12 - GPP
32	4.92	0.310	0.17	0.99	9	990	25	4 661	10.1	685.8	1977	84 12 - GPP
16	4.20	0.280	0.25	0.99	12	990	24	4 851	6.2	648.9	1980	89 12 - GPP
16	5.00	0.300	0.20	0.99	9	990	25	4 540	9.2	672.5	1981	82 05 - ABAND 87 08
16	4.00	0.300	0.25	0.99	9	984	25	4 555	7.7	631.3	1981	82 07 - ABAND 85 06
16	4.00	0.270	0.22	0.99	9	990	29	4 592	5.5	684.0	1981	82 10 - ABAND 86 05
16	3.50	0.250	0.30	0.99	9	988	23	4 595	7.1	650.3	1982	88 12 - GPP
16	5.70	0.280	0.25	0.96	38	952	24	4 705	11.4	701.7	1983	83 11 - ABAND 88 11
16	5.00	0.290	0.25	0.97	16	983	26	5 166	0.2	652.6	1983	84 02
16	5.50	0.290	0.30	0.99	27	979	25	4 850	4.3	643.5	1982	83 04 - GPP
16	5.80	0.300	0.20	0.97	16	932	26	4 848	7.9	644.8	1982	89 12 - ABAND 91 10
176	6.35	0.300	0.24	0.99	16	980	26	4 923	4.0	652.6	1983	87 07 - GPP
16	6.50	0.300	0.20	0.97	16	986	26	4 650	9.3	646.6	1983	84 11 - GPP
16	4.00	0.270	0.40	0.97	16	986	26	4 793	9.1	651.0	1984	88 12
28	6.25	0.310	0.24	0.97	16	969	26	5 007	2.9	665.2	1984	92 12 - GPP
16	7.50	0.310	0.20	0.99	12	990	30	3 658	0.5	657.8	1986	86 12 - GPP
2 993					10	946	26	4 898	1.5	627.2	1963	93 12 - GPP
2 369	5.55	0.320	0.23	0.97								
624	8.05	0.320	0.23	0.97								
48	4.16	0.200	0.39	0.94	22	930	34	9 696	-25.0	978.8	1981	84 09 - GPP
32	8.70	0.190	0.33	0.94	10	934	36	9 723	-16.2	971.0	1983	82 12 - ABAND 88 04

* FIELD HAS RESERVES BOOKED FOR LIGHT-MEDIUM AND HEAVY CRUDE CATEGORIES

[illegible]

3 RESERVES OF CRUDE BITUMEN AND SYNTHETIC CRUDE OIL

No reserve studies were carried out for crude bitumen resources during 1993. Section 3 has been updated only to reflect an additional years production of crude bitumen from the deposits under active development.

3.1 Provincial Summary

The Board estimates the remaining established reserves of crude bitumen from the deposits under active development to be 417 million cubic metres for the surface-mineable schemes and 40.6 million cubic metres for the in situ schemes.

The changes for established crude bitumen reserves are shown below:

	1993	1992	Change
	10 ⁶ m ³	10 ⁶ m ³	10 ⁶ m ³
Initial Established Reserves			
Surface-mineable	644.0	644.0	—
In situ	<u>107.1</u>	<u>107.1</u>	—
Total	751.1	751.1	—
Cumulative Production			
Surface-mineable	227.0	210.0	+ 17.0
In situ	<u>66.5</u>	<u>58.9</u>	<u>+ 7.6</u>
Total	293.5	268.9	+ 24.6
Remaining Established Reserves			
Surface-mineable	417.0	434.0	— 17.0
In situ	<u>40.6</u>	<u>48.2</u>	<u>— 7.6</u>
Total	457.6	482.2	— 24.6

Synthetic crude oil production resulting from the crude bitumen production at the two mining schemes amounted to some 14.2 million cubic metres with 10.7 million cubic metres from the Syncrude project and 3.5 million cubic metres from the Suncor project.

3.2 Initial In-place Volumes of Crude Bitumen

Alberta's massive crude bitumen resources are contained in sand and carbonate sedimentary formations in the Athabasca, Cold Lake, and Peace River oil sands areas. Oil Sands Area Orders (OSA Orders) outline the general areal extent of crude bitumen occurrence and Oil Sands Deposit Orders (OSD Orders) outline the specific geological zones which have been declared as oil sands deposits.

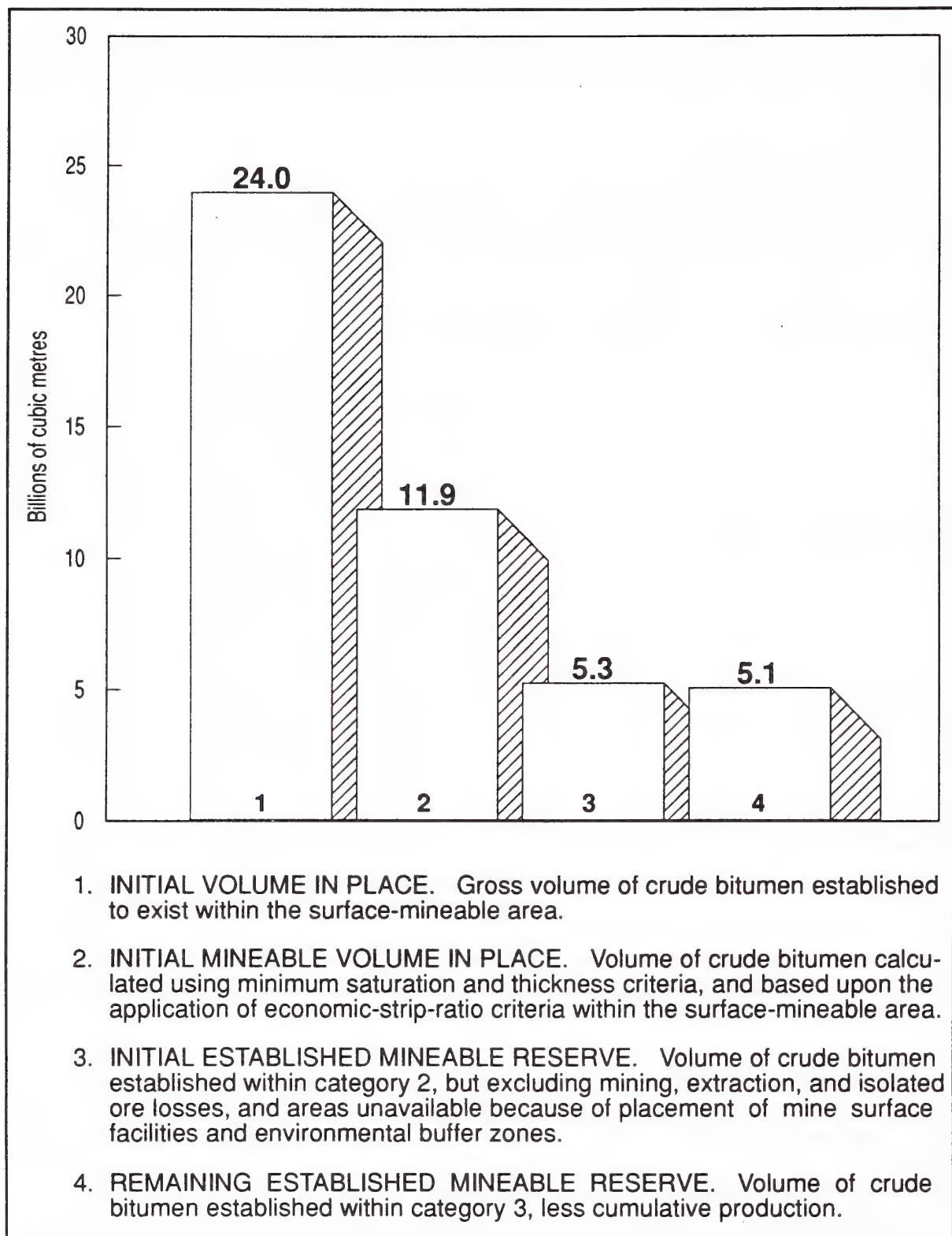


FIGURE 3-1 CRUDE BITUMEN RESERVES CATEGORIES WITHIN THE SURFACE-MINEABLE AREA

Initial in-place volumes of crude bitumen in each deposit were estimated using drillhole data and geophysical logs available to the end of 1992. The crude bitumen within the Cretaceous sands was determined using a minimum saturation cut-off of 3 mass per cent crude bitumen, and a minimum saturated zone thickness of 1.5 metres. In the evaluation of the carbonate deposits a minimum bitumen saturation of 30 per cent of pore volume and a porosity value of 5 per cent were used as cut-offs. For the surface-mineable area of the Athabasca deposit, in-place volumes were calculated by programmed computer techniques employing a geostatistical approach. A review of all drilling information within the surface-mineable area is underway and adjustments to the volumes will be reported when the review is completed.

Excluding the surface-mineable area, the building-block approach remains the main method used to identify the in-place volumes within each deposit. Each deposit was divided into 2340-hectare (quarter-township) blocks and the initial in-place volume of crude bitumen in each block was determined using the average properties of the wells drilled in the block. Blocks not containing wells were assigned conservative values based on the lowest initial in-place volume of crude bitumen calculated for an adjacent block. The crude bitumen in-place volumes as determined volumetrically from isopach maps are used as they become available for a deposit or portion of a deposit. The determinations of initial in-place volumes are explained in detail in Section 2 of ERCB Report ST 91-38¹.

The total initial volumes of crude bitumen in place for the designated deposits at 31 December 1993 remains at 269.2 billion cubic metres. The data are presented in Table 3-2.

3.3 Surface-mineable Crude Bitumen and Synthetic Crude Oil Reserves

The initial mineable volume of in-place crude bitumen for the surface-mineable area was determined using the method outlined in Section 3.2, within that part of the Athabasca Wabiskaw-McMurray deposit where total overburden and top reject generally do not exceed 75 metres.

Potentially mineable areas were identified by economic strip ratio (ESR) criteria, a minimum saturation of 5 mass per cent bitumen, a maximum shale content of 45 volume per cent, and a minimum saturated zone thickness of 1.5 metres. The ESR criteria are fully explained in Appendix III of ERCB Report 79-H². The ESR criteria applied to varying bitumen saturations remain unchanged from the 1988 publication.

1 Energy Resources Conservation Board, 1991. *Atlas of Alberta's Crude Bitumen Reserves*. ERCB Report ST 91-38. Calgary, Alberta.

2 Energy Resources Conservation Board, 1979. *Alsands Fort McMurray Project*. ERCB Report 79-H. Calgary, Alberta.

The initial mineable volume in place of crude bitumen within the potentially mineable areas remains at 11.9 billion cubic metres. After allowing for surface facilities (plant sites, tailings ponds, discard sites), environmental protection corridors along major rivers, and isolated mineable areas, and assuming a combined mining/extraction recovery factor of 0.82, the resulting initial established mineable reserve of crude bitumen is estimated to be 5.3 billion cubic metres as shown in Figure 3-1. Technological improvements, better placement of surface facilities in future projects, and improved price/cost economics could increase this estimate.

Only a small portion of the initial established mineable reserve is being actively developed. The surface mining projects of Suncor and Syncrude are currently the only schemes under active development. The remaining established mineable crude bitumen reserves for those projects as at 31 December 1993 are shown below:

Development	Project Area ^a	Initial Mineable Volume in Place ^b	Initial Established Mineable Reserve ^b	Cumulative Production	Remaining Established Mineable Reserve
	ha	10 ⁶ m ³	10 ⁶ m ³	10 ⁶ m ³	10 ⁶ m ³
Suncor	3 030	216	168	90	78
Syncrude	11 860	807	476	137	339
Total	14 890	1 023	644	227	417

a The project areas correspond to the areas defined by the scheme approval and include mineable and other disturbed areas.

b Definitions are given in Figure 3-1.

The yield of synthetic crude oil through upgrading of crude bitumen is dependent upon the type of upgrading technology used, the use of products as fuel in the upgrading, the extent of gas liquids recovery, and the extent of residue upgrading. The yield factor for the current Suncor delayed coking operation is 0.80, while that for the current fluid coking/hydrocracking operation at Syncrude is 0.84. In 1993, the natural gas requirements to achieve these yields averaged 97 cubic metres per cubic metre of synthetic crude oil.

The initial established reserves of synthetic crude oil from the upgrading of the 5.3 billion cubic metres of crude bitumen in the surface-mineable area are estimated to be 4.8 billion cubic metres. This estimate is based on an average yield factor of 0.91 which reflects the use of high conversion, hydrogen addition upgrading technologies for the future development of the surface-mineable crude bitumen reserves.

3.4 In Situ Crude Bitumen Reserves

The Board has assigned initial volumes in place and initial and remaining established reserves for commercial projects and active experimental schemes where all or a portion of the wells have been drilled and completed. An aggregate reserve is shown for all active experimental schemes as well as an estimate of initial volumes in place and remaining established reserves for terminated schemes. An aggregate reserve is also shown for all commercial schemes within a given oil sands deposit and area.

For commercial projects where the crude bitumen can be recovered only by the application of some form of thermal energy, only the areas actually developed for thermal recovery have been included in the established reserves, notwithstanding the size of the approved project areas. The initial volume in place for developed areas in each project was based on the assigned drainage areas and had regard for the spacing of the individual wells or well clusters. Established reserves were then determined for the currently approved recovery mechanism. It should be noted that future experimentation and technological improvements may result in higher recovery of crude bitumen. For those projects with a primary recovery (pumping wells at natural temperature) component³, the in-place volume was based on the assumed full development of all project lands not currently developed for thermal recovery.

The initial established primary reserves for the Lindbergh area were based on a 2 per cent average primary recovery factor for the Cummings sands, and a 0.1 per cent average primary recovery factor for other Mannville sands. The initial established reserves for the Lindbergh thermal production areas were determined by summing the thermal reserves recognized for each project. This resulted in an average recovery factor of 15 per cent for the Mannville group of sands. For all other oil sands areas, the initial established reserves were determined by totalling the individual project reserves in each deposit. The individual project reserves estimates were based on historical and predicted production levels for each project.

In the active experimental schemes, the initial established reserve figure of 17.7 million cubic metres is based on current well productivity, cumulative production, and the project production to the expiry date of each experimental scheme.

The Board's 1993 estimate of the established in situ crude bitumen reserves is shown in Table 3-1.

3 For the general Lindbergh area, the initial phase of development will entail cold fluid pumping to create reservoir voidage prior to the implementation of the approved thermal recovery technique.

TABLE 3-1 Established In Situ Crude Bitumen Reserves
As at 31 December 1993

Development	Initial Volume in Place ^a	Recovery Factor	Initial Established Reserves	Cumulative Production ^b	Remaining Established Reserves
	10 ⁶ m ³	Percentage	10 ⁶ m ³	10 ⁶ m ³	10 ⁶ m ³
Peace River Commercial Project					
Thermal-Bluesky/Gething	16.0	40.0	6.4	3.8	2.6
Subtotal	16.0		6.4	3.8	2.6
Cold Lake Commercial Projects					
Cold Lake					
Thermal—Clearwater	351.8	18.0	63.3	35.0	28.3
Subtotal	351.8		63.3	35.0	28.3
Lindbergh					
Primary — Cummings 1 & 2	226.3	2.0	4.5		
— Other Mannville	234.4	0.1	0.2		
Thermal — Cummings 1 & 2	24.0	15.0	3.6		
— Other Mannville	5.4	17.0	0.9		
Subtotal	490.1		9.2	7.4	1.8
Other Lindbergh					
Primary — Cummings 1 & 2	369.7	2.0	7.4		
— Other Mannville	981.3	0.1	1.0		
Subtotal	1 351.0		8.4	3.4	5.0
Subtotal	2 192.9		80.9	45.8	35.1
Experimental Schemes					
Active	120.7	14.7	17.7	14.8	2.9
Terminated	41.7	5.0	2.1	2.1	—
Subtotal	162.4		19.8	16.9	2.9
Total	2 371.3		107.1	66.5	40.6

^a Thermal reserves are assigned only for lands approved for thermal developments and having completed drilling development.

^b Cumulative production to 31 December 1993.



Reserves of Crude Bitumen and Basic Data

TABLE 3-2

OIL SANDS AREA OIL SANDS DEPOSIT OVERBURDEN DEPTH (m) OR ZONE	1	2	3	4		5	6	7
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	AREA 10 ³ ha	AVERAGE PAY THICKNESS m	BITUMEN SATURATION		POROSITY frac	WATER SATN frac	
				mass frac	pore vol frac			REMARKS
ATHABASCA								
UPPER GRAND RAPIDS 150 - 450+	4 140	334	9	0.062	0.55	0.30	0.45	
SUBTOTAL	4 140							
MIDDLE GRAND RAPIDS 150 - 450+	1 410	182	5	0.077	0.68	0.30	0.32	
SUBTOTAL	1 410							
LOWER GRAND RAPIDS 150 - 450+	1 220	173	6	0.051	0.45	0.30	0.55	
SUBTOTAL	1 220							
WABISKAW-MCMURRAY								
0 - 20	6 880	86	38	0.098		0.29	0.26	WITHIN MINEABLE AREA
20 - 40	7 780	103	37	0.096		0.29	0.27	WITHIN MINEABLE AREA
40 - 80	6 960	98	36	0.090		0.28	0.31	WITHIN MINEABLE AREA
80 - 120	2 330	26	46	0.097		0.27	0.27	WITHIN MINEABLE AREA
80 - 750+	117 800	4 329	19	0.079	0.62	0.28	0.38	BEYOND MINEABLE AREA
SUBTOTAL	141 750							
NISKU 200 - 800+	10 330	499	8	0.057	0.63	0.21	0.37	
SUBTOTAL	10 330							
GROSMONT								
D	19 890	1 063	16	0.058	0.67	0.20	0.33	
C	15 390	1 189	10	0.050	0.75	0.16	0.25	
B	5 380	976	5	0.043	0.69	0.15	0.31	
A	9 840	939	10	0.035	0.60	0.14	0.40	
SUBTOTAL	50 500							
COLD LAKE								
UPPER GRAND RAPIDS 300 - 600	7 400	816	6	0.081	0.58	0.30	0.42	
SUBTOTAL	7 400							
LOWER GRAND RAPIDS 300 - 600								
BUILDING BLOCK	11 540	734	12	0.087	0.60	0.31	0.40	
ISOPACH								
COLONY	7	2	2	0.102	0.73	0.30	0.27	
WASECA	88	8	5	0.097	0.66	0.30	0.34	
SPARKY	89	8	4	0.103	0.68	0.32	0.32	
LOWER GRAND RAPIDS 2	31	6	3	0.099	0.68	0.31	0.32	
LOWER GRAND RAPIDS 3	128	16	4	0.100	0.69	0.31	0.31	
LOWER GRAND RAPIDS 4	122	16	4	0.107	0.74	0.31	0.26	
LOWER GRAND RAPIDS 5	49	7	3	0.085	0.64	0.29	0.36	
LLOYDMINSTER	894	39	9	0.127	0.81	0.33	0.19	
SUBTOTAL	12 950							
CLEARWATER 300 - 600	11 050	589	15	0.089	0.64	0.30	0.36	
SUBTOTAL	11 050							
WABISKAW-MCMURRAY 300 - 600								
BUILDING BLOCK	3 160	591	6	0.057	0.51	0.25	0.49	
ISOPACH								
CUMMINGS 1	315	32	6	0.115	0.79	0.31	0.21	
CUMMINGS 2	229	21	6	0.121	0.80	0.32	0.20	
MCMURRAY	152	12	5	0.104	0.75	0.30	0.25	
SUBTOTAL	3 860							
PEACE RIVER								
BLUESKY-GETHING 300 - 700								
BUILDING BLOCK	580	177	9	0.052	0.47	0.25	0.53	
ISOPACH	13 460	976	6	0.061	0.60	0.23	0.40	
SUBTOTAL	14 040							

4 RESERVES OF GAS

4.1 Provincial Summary

The Board estimates the remaining established reserves of marketable gas in Alberta at 31 December 1993 to be 1535 billion cubic metres, having a thermal (heating value) energy content of 58.9 exajoules. This represents a net decrease of 60 billion cubic metres since 31 December 1992. The reserves include ethane and natural gas liquids subsequently recovered at reprocessing plants as discussed in Section 4.6. The changes in reserves during 1993 are shown below:

	Remaining Established Reserves of Marketable Gas			
	Actual Heating Value Basis	Change	37.4 MJ/m ³ Basis	Energy Content
	10 ⁹ m ³	10 ⁹ m ³	10 ⁹ m ³	10 ¹⁸ J
At 31 December 1992				
Associated and solution	271.5			
Non-associated	<u>1 323.2</u>			
Total	1 594.7		1 637.6	61.2
Additions during 1993	58.6 ^a		58.6	2.2
Less production during 1993	118.4		122.5	4.5
At 31 December 1993				
Associated and solution	247.1	-24.5	263.4	9.9
Non-associated	<u>1 287.9</u>	<u>-35.3</u>	<u>1 310.3</u>	<u>49.0</u>
Total	1 534.9 ^b (54 480) ^c	-59.8	1 573.7 (55 855) ^d	58.9

a A large number of wells were drilled in the latter part of 1993 that were not evaluated by the Board for this report due in part to time constraints, and in part that certain necessary information was not available in time. The Board estimates that the unevaluated wells could increase the reserve additions for 1993 by 20 to 25 per cent.

b Discrepancies are due to rounding.

c Imperial equivalent in billions of cubic feet at 14.65 pounds per square inch absolute and 60 degrees Fahrenheit.

d Imperial equivalent in billions of cubic feet of 1000 British thermal units per cubic foot of gas.

At year-end 1993, gas reserves were assigned to 25 287 pools in the province. Of these, 10 622 had produced or are being produced and had remaining established reserves of 1051 billion cubic metres after cumulative production of 1942 billion. The 14 665 pools not on production had aggregate initial established reserves of marketable gas of 483 billion cubic metres, including 24 billion cubic metres of associated initial marketable gas reserves (gas-cap gas) classified as deferred.

4.2 Reserves of Gas Containing Hydrogen Sulphide

Some 2158 gas pools in the province contain at least some hydrogen sulphide and are classed as "sour". The distribution of established reserves of sweet and sour gas is shown below:

Type of Gas	Raw Gas		Marketable Gas		
	Initial Volume in Place	Initial Producible	Initial Established Reserves	Net Cumulative Production	Remaining Established Reserves
	10 ⁶ m ³				
Sweet					
Associated	366 619	291 524	418 171	254 144	164 027
Solution	486 589	225 617			
Non-associated	<u>2 783 634</u>	<u>2 016 598</u>	<u>1 871 113</u>	<u>916 164</u>	<u>954 949</u>
Subtotal	3 636 842	2 533 739	2 289 284	1 170 308	1 118 976
Sour					
Associated	259 633	204 719	236 739	153 702	83 037
Solution	244 030	146 152			
Non-associated	<u>1 720 889</u>	<u>1 305 996</u>	<u>949 445</u>	<u>616 535</u>	<u>332 910</u>
Subtotal	2 224 552	1 656 867	1 186 184	770 237	415 947
Total	5 861 394 (208 043) ^a	4 190 606 (148 740) ^a	3 475 468 (123 357) ^a	1 940 545 (68 877) ^a	1 534 923 (54 480) ^a
Sour Gas Percentage of Total	37.95	39.54	34.13	39.69	27.10

a Imperial equivalent in billions of cubic feet at 14.65 pounds per square inch absolute and 60 degrees Fahrenheit.

The distribution of sour gas reserves by hydrogen sulphide content in the raw gas is shown below:

H ₂ S Content in Raw Gas	Raw Gas						Marketable Gas			
	Initial Volume in Place			Initial Producible			Initial Established Reserves		Remaining Established Reserves	
	Assoc	Soln	Non-Assoc	Assoc	Soln	Non-Assoc	Assoc & Soln	Non-Assoc	Assoc & Soln	Non-Assoc
mole percentage	10 ⁶ m ³									
0.01-1.99	91 513	116 383	459 600	76 618	74 510	369 924	116 182	321 448	60 951	107 084
2.00-9.99	125 673	97 049	482 201	98 694	55 662	384 829	91 461	313 164	13 586	108 815
10.00-19.99	19 580	25 499	391 492	15 374	14 636	278 564	19 946	181 931	6 852	65 150
20.00-29.99	22 837	5 020	116 579	14 009	1 293	73 661	9 120	45 400	1 625	24 970
30.00-more	30	79	271 017	24	51	199 018	30	87 502	23	26 891
Total	259 633	244 030	1 720 889	204 719	146 152	1 305 996	236 739	949 445	83 037	332 910
Percentage of Total	11.67	10.97	77.36	12.36	8.82	78.82	19.96	80.04	19.96	80.04

The average H₂S concentration of the initial gas-in-place reserves of sour gas in the province at year-end 1993 is 10.83 per cent. The equivalent concentration based on initial producible reserves is 10.31 per cent.

The distribution of marketed gas production by hydrogen sulphide content in the raw gas is shown below:

H₂S Content in Raw Gas	1993 Cumulative Marketed Production		1993 Annual Marketed Production	
	10 ⁶ m ³	percentage of total	10 ⁶ m ³	percentage of total
0.00	1 170 308	60.31	87 153	73.61
0.00–1.99	269 595	13.89	11 635	9.83
2.00–9.99	282 224	14.54	9 511	8.03
10.00–19.99	129 875	6.69	6 249	5.28
20.00–29.99	27 925	1.44	1 756	1.48
30.00 or more	60 618	3.13	2 093	1.77
Total	1 940 545	100.00	118 397	100.00

Sulphur reserves are discussed in Chapter 7.

4.3 Distribution of Gas Reserves by Pool Size

The distribution of initial and remaining established reserves of marketable gas among pools of different size ranges is shown below. For the purposes of this table, where gas production from two or more pools is commingled in the wellbore, the pools are considered as one pool, the SE Alta Gas System (MU) is considered on a field basis, and associated and solution gas reserves in a pool have been combined.

Reserve Range	Pools		Initial Established Marketable Reserves		Remaining Established Marketable Reserves	
	number	percentage of total	10 ⁶ m ³	percentage of total	10 ⁶ m ³	percentage of total
3000 or more	151	0.60	1 757 244	50.56	505 789	32.95
1500–2999	116	0.46	238 521	6.86	95 102	6.19
300–1499	993	3.92	582 545	16.76	290 195	18.91
1–299	24 027	95.02	897 158	25.82	643 837	41.95
Total	25 287	100.00	3 475 468 (123 357) ^a	100.00	1 534 923 (54 480) ^a	100.00

a Imperial equivalent in billions of cubic feet at 14.65 pounds per square inch absolute and 60 degrees Fahrenheit.

4.4 Growth of Marketable Gas Reserves

The addition of 58.6 billion cubic metres to the initial established reserves during 1993 resulted partly from 11.3 billion cubic metres from new discoveries made during the year. The remaining 47.3 billion cubic metres were attributed to development drilling, the reassessment of previously discovered reserves, and reserves discovered before 1993 but first recognized by the Board in 1993.

The reserve growth rate is more fully discussed in Chapter 8.

The pools for which initial marketable gas reserves were revised by 800 million cubic metres or greater in 1993 are listed in Table 4-1. The revisions occurred primarily as a result of detailed reviews of the reserves of these pools by operators and Board staff.

4.5 Reserves of Pools Calculated on an Energy Basis

Reserves of major retrograde condensate pools are tabulated on both an energy and a volumetric basis. Table 4-2 lists the initial energy in place, the recovery factor and surface loss factor (both on an energy basis), and the initial marketable energy for each pool. The table also lists raw- and marketable-gas heating values used to convert from a volumetric to an energy basis. The volumetric reserves of these pools are included in Table 4-5, but with recovery factors and surface loss factors deleted.

4.6 Reserves of Ethane and Natural Gas Liquids Included in Gas Reserves

The remaining established reserves of natural gas discussed in Section 4.1 are determined at the field gate. A portion of the ethane and natural gas liquids they contain enter trunk line systems and will be extracted downstream at reprocessing plants. If these quantities which will be extracted are deducted from the remaining established reserves of marketable gas, the gas reserves and the thermal energy content would be reduced from 1535 billion to 1484 billion cubic metres and from 58.9 to 54.7 exajoules, respectively, as shown at the end of Table 4-5.

Reserves of ethane and natural gas liquids are discussed in more detail in Chapters 5 and 6, respectively.

4.7 Discussion of Reserves Table 4-5

The established reserves of marketable gas have been estimated having regard for information presented by the industry in submissions and studies by Board staff.

The established reserves of gas are listed in Table 4-5 alphabetically by strike area. Strike areas where no field has been designated by the Board are identified by "SA" immediately following the name. The approximate location of the strike area is also given. The data presented are condensed from the gas reserve system data file¹. Pools having initial marketable gas reserves greater than or equal to 300 million cubic metres are listed individually. Pools having reserves less than 300 million cubic metres are grouped within each field or area and presented as a total. The total reserve in a field or area is shown as the last entry.

Where the established reserve for a pool is based on material-balance or production-decline calculations, the reservoir factors last established for the pool for volumetric calculations have been retained for informational purposes.

Where production from two or more pools is commingled before measurement, the initial reserve estimate for each pool is shown, if available, together with the total reserve estimate for the pools. Production is subtracted from the sum of the initial established marketable reserves of the pools to obtain the remaining established marketable reserves. Similarly, because production of associated- and solution-gas reserves for a pool has not been determined separately, the combined net cumulative production is subtracted from the sum of the initial established marketable reserves of associated and solution gas. Therefore, Table 4-5 shows initial reserves by category but includes remaining associated- and solution-gas reserves only on a combined basis.

Gas reserves in communication with crude bitumen have been classified as non-associated reserves in this report.

The amount of marketable gas produced from a pool is determined by adjusting the cumulative raw gas production from the pool for the estimated surface loss. Where gas has been injected for the enhanced recovery of oil, cycling of gas pools, and gas storage, the volumes of injected gas are included in the remaining established reserves of marketable gas (column 6) of the respective pools. The volumes credited to the pools have been adjusted to reflect projected losses in the reservoir and in handling and processing.

1 The Board maintains a computer file of detailed reserves information for each pool in Alberta containing gas. The non-confidential portion of the file for year-end 1993 is available in the following forms:

- (a) Magnetic computer tape of the gas reserve file.
- (b) Cartridge tape of the gas reserves file.
- (c) A COM-microfiche publication of gas reserves and reserve factors.

The marketed gas production generated by the gas reserves system for 1993 was 118.4 billion cubic metres, including a correction to the marketed gas production for the Provost Viking, Basal Colorado and Mannville MU #1 Pool of 2.44 billion cubic metres. (The actual net production of marketable gas, as determined from production reports, is reported in the Board's publication ERCB ST 94-17, *Alberta Oil and Gas Industry—Annual Statistics* and for 1993 was 110.7 billion cubic metres.) It is emphasized that because changes due to errors or to amendments to production reports have been made to the previously reported cumulative raw gas production for some pools, and because of the adjustments made to the injected gas volumes discussed above, **net production volumes** for any year **should not be calculated from cumulative numbers appearing in this and previous reports.**

The major purchasers of gas from particular fields are shown in column 20. This information has been updated to year-end 1993 based on the lands under contract data provided to the Board by those purchasers.

4.8 Other Matters

A summary of the distribution of established reserves of gas by geological period is shown in Table 4-3.

Pools that are common to more than one designated field and those pools whose production is commingled with such common pools are termed "multi-field pools". The reserve for each designated pool in a multi-field pool is shown under the designated field in Table 4-5. A list of pools contained in each multi-field pool, the individual initial established reserves, and the total initial established reserves for the multi-field pool are shown in Table 4-4.

Reserves in this report have been classified as within or beyond economic reach using a simple, partially computerized procedure adopted by the Board in 1979. The Board estimates the reserves classified as beyond economic reach to be 49 billion cubic metres at 31 December 1993.

The map in the back pocket of this report shows the locations of Board-designated fields as at 31 December 1993. The fields have been coloured either green (for oil) or yellow (for gas) based on which had the higher initial energy content.

TABLE 4-1 Major Gas Reserve Changes
1993

Pool	Initial Established Reserves		Main Reasons for Change
	1993	Change	
	10 ⁶ m ³	10 ⁶ m ³	
Bantry			
Second White Specks A	2 703	+ 848	Re-evaluation of initial volume in place
Caroline			
Beaverhill Lake A	16 360	- 5 861	Re-evaluation of surface loss factor
Kaybob South			
Beaverhill Lake A	41 300	+ 4 900	Re-evaluation of initial volume in place
Morningside			
Glaucconitic D	800	+ 800	New pool
Quirk Creek			
Rundle F	968	+ 968	New pool
Turner Valley			
Rundle	11 763	+ 1 163	Re-evaluation of initial volume in place and surface loss factor
Westerose South			
Glaucconitic A	13 523	- 1 477	Re-evaluation of initial volume in place and recovery factor

TABLE 4-2 Reserves of Pools Calculated on an Energy Basis
As at 31 December 1993

Pool	Raw Gas Initial Volume in Place	Raw Gas Gross Heating Value	Initial Energy in Place	Recovery Factor	Fuel and Shrinkage (Surface Loss Factor)	Initial Marketable Gas Energy	Marketable Gas Gross Heating Value	Initial Established Reserves of Marketable Gas
	10 ⁶ m ³	MJ/m ³	10 ⁶ MJ	fraction	fraction	10 ⁶ MJ	MJ/m ³	10 ⁶ m ³
Brazeau River Nisku J	707	74.44	52 603	0.75	0.50	19 726	41.01	481
Brazeau River Nisku K	938	72.19	67 714	0.75	0.60	20 314	41.01	495
Brazeau River Nisku M	1 489	76.22	113 463	0.75	0.60	34 039	41.36	823
Brazeau River Nisku P	8 663	61.23	530 435	0.74	0.65	137 383	40.00	3 435
Brazeau River Nisku S	1 665	54.64	90 976	0.80	0.57	31 296	41.38	756
Brazeau River Nisku W	1 895	55.65	105 462	0.72	0.35	49 356	41.13	1 200
Caroline Beaverhill Lake A	64 707	49.95	3 232 115	0.77	0.76	597 295	36.51	16 360
Carson Creek Beaverhill Lake B	10 941	55.68	609 198	0.90	0.39	334 450	41.65	8 030
Harmattan East Rundle	36 252	50.26	1 822 003	0.85	0.26	1 146 040	40.93	28 000
Harmattan-Elkton Rundle C	31 326	46.96	1 471 056	0.90	0.27	966 484	41.48	23 300
Kakwa A Cardium A	1 120	55.40	62 069	0.85	0.32	35 876	42.71	840
Kaybob Beaverhill Lake C	2 104	63.77	134 188	0.85	0.42	66 155	41.09	1 610
Kaybob South Beaverhill Lake A	103 728	52.61	5 457 156	0.77	0.61	1 638 784	39.68	41 300
Ricinus Cardium A	8 316	58.59	487 221	0.85	0.32	281 614	40.52	6 950
Valhalla Halfway B	6 331	53.89	341 178	0.80	0.33	182 871	40.00	4 572
Waterton Rundle-Wabamun A	79 529	48.74 ^a	3 876 243	0.78	0.36	1 935 025	39.25	49 300
Wembley Halfway B	6 093	53.89	328 352	0.80	0.33	175 997	40.00	4 400
Westerose D-3	3 669	51.55	189 131	0.90	0.25	127 663	41.72	3 060
Westpem Nisku E	1 160	66.05	76 654	0.90	0.54	31 735	44.76	709
Windfall D-3 A	21 288	53.42	1 137 217	0.60	0.53	320 695	42.42	7 560

^a Producing raw gas gross heating value is 40.65 MJ/m³.

TABLE 4-3 Geological Distribution of Established Reserves of Gas
As at 31 December 1993

	1	2	3	4	5	6	7	8
	Raw Gas	Marketable Gas			Raw Gas	Marketable Gas		
Geological Period	Initial Volume in Place	Initial Established Reserves	Net Cumulative Production	Remaining Energy Content	Initial Volume in Place	Initial Established Reserves	Net Cumulative Production	Remaining Energy Content
	10 ⁶ m ³			TJ	Percentage of total			
Quaternary								
Quaternary	28	14		509				
	28	14		509				
Tertiary								
Tertiary	111	65	2	2 277				
Subtotal	111	65	2	2 277				
Upper Cretaceous								
Belly River	114 510	69 336	32 312	1 369 308	1.95	2.00	1.67	2.33
Milk River & Med Hat	428 876	282 608	165 804	4 259 556	7.32	8.13	8.54	7.24
Cardium	266 318	91 974	42 124	2 017 611	4.54	2.65	2.17	3.43
Second White Specks	8 665	5 666	700	183 513	.15	.16	.04	.31
Other	55 888	35 942	14 216	869 567	.95	1.03	.73	1.48
Subtotal	874 257	485 526	255 156	8 699 555	14.92	13.97	13.15	14.78
Lower Cretaceous								
Viking	397 763	276 571	175 270	3 782 224	6.79	7.96	9.03	6.43
Basal Colorado	40 270	32 837	28 185	171 643	.69	.94	1.45	.29
Mannville	1 527 865	1 011 661	486 391	20 038 706	26.07	29.11	25.06	34.05
Other	71 219	49 029	29 266	753 666	1.22	1.41	1.51	1.28
Subtotal	2 037 117	1 370 098	719 112	24 746 239	34.75	39.42	37.06	42.05
Jurassic								
Jurassic	48 183	30 049	13 508	656 525	.82	.86	.70	1.12
Other	84 741	54 542	22 444	1 262 434	1.45	1.57	1.16	2.14
Subtotal	132 924	84 591	35 952	1 918 959	2.27	2.43	1.85	3.26
Triassic								
Triassic	50 772	31 938	11 320	814 326	.87	.92	.58	1.38
Other	72 278	46 990	11 095	1 408 060	1.23	1.35	.57	2.39
Subtotal	123 050	78 928	22 415	2 222 386	2.10	2.27	1.16	3.78
Permian								
Belloy	10 272	6 640	1 674	173 644	.18	.19	.09	.30
Other	643	441	—	16 998	.01	.01	—	.03
Subtotal	10 915	7 081	1 674	190 642	.19	.20	.09	.32

TABLE 4-3 (continued)

	1	2	3	4	5	6	7	8
	Raw Gas	Marketable Gas			Raw Gas	Marketable Gas		
Geological Period	Initial Volume in Place	Initial Established Reserves	Net Cumulative Production	Remaining Energy Content	Initial Volume in Place	Initial Established Reserves	Net Cumulative Production	Remaining Energy Content
	10 ⁶ m ³			TJ	Percentage of total			
Mississippian								
Rundle	991 945	596 413	412 520	7 194 412	16.92	17.16	21.26	12.22
Other	138 776	100 849	66 232	1 332 517	2.37	2.90	3.41	2.26
Subtotal	1 130 721	697 262	478 752	8 526 929	19.29	20.06	24.67	14.49
Upper Devonian								
Wabamun	226 979	106 390	73 189	1 238 930	3.87	3.06	3.77	2.11
Nisku	112 777	54 830	17 349	1 482 530	1.92	1.58	.89	2.52
Leduc	476 408	244 716	185 734	2 345 125	8.13	7.04	9.57	3.98
Beaverhill Lake	443 051	194 471	100 786	3 607 127	7.56	5.60	5.19	6.13
Other	102 298	50 996	37 778	499 912	1.75	1.47	1.95	.85
Subtotal	1 361 513	651 403	414 836	9 173 624	23.23	18.74	21.38	15.59
Middle Devonian								
Sulphur Point	12 388	8 082	1 243	260 095	.21	.23	.06	.44
Muskeg	4 554	2 063	704	55 381	.08	.06	.04	.09
Keg River	50 835	23 554	4 663	770 648	.87	.68	.24	1.31
Other	27 277	11 380	6 036	197 247	.47	.33	.31	.34
Subtotal	95 054	45 079	12 646	1 283 371	1.62	1.30	.65	2.18
Beyond Economic Reach								
Subtotal	86 375	49 433	—	1 865 449	1.47	1.42	—	3.17
Confidential ^a								
Subtotal	9 329	5 988	—	224 858	.16	.17	—	.38
Total	5 861 394	3 475 468	1 940 545	58 854 798	100.00	100.00	100.00	100.00
	(208 043) ^b	(123 357) ^b		(55 807) ^c				

a Some Confidential reserves included in Beyond Economic Reach category.

b Imperial equivalent in billions of cubic feet at 14.65 pounds per square inch absolute and 60 degrees Fahrenheit.

c Imperial equivalent in billions of cubic feet of 1000 British thermal units per cubic foot of gas.

TABLE 4-4 Reserves of Multi-field Pools
As at 31 December 1993

Multi-field Pool Field and Pool	Initial Established Reserves	Multi-field Pool Field and Pool	Initial Established Reserves
	10 ⁶ m ³		10 ⁶ m ³
Edmonton Pool No. 1			
Bashaw Edmonton D	76	Matziwin Milk River A	1 880
Nevis Edmonton D	350	Medicine Hat Milk River A	30 600
		Medicine Hat Second White Specks D ^b	1 400
Total	<u>426</u>	Medicine Hat Second White Specks K ^b	4
		Medicine Hat Second White Specks L ^b	10
Belly River Pool No. 1			
Bashaw Belly River C	1 205	Medicine Hat Second White Specks P ^c	5
Bashaw Belly River G	48	Newell Milk River A	957
Bashaw Belly River H	186	Princess Milk River A	7 770
Bashaw Belly River L	20	Rainier Milk River A	141
Bashaw Belly River M	228	Suffield Milk River A	20 700
Bashaw Belly River Q	15	Verger Milk River A	4 640
Nevis Belly River C	1 127	Wintering Hills Milk River A	1 290
Total	<u>2 829</u>	Total	<u>112 158</u>
Belly River Pool No. 2		Medicine Hat Pool No. 1	
Bruce Belly River J	528	Alderson Medicine Hat A	2 800
Holmberg Belly River J	94	Atlee-Buffalo Medicine Hat A	2 470
Total	<u>622</u>	Bantry Medicine Hat A	4 117
		Bassano Medicine Hat A	418
Belly River Pool No. 3		Berry Medicine Hat A	53
Fenn West Belly River J	32		
Fenn-Big Valley Belly River J	839	Bindloss Medicine Hat A	372
Gadsby Belly River J	1 620	Blackfoot Medicine Hat A	596
Total	<u>2 491</u>	Brooks Medicine Hat A	44
		Cessford Medicine Hat A	7 250
Belly River Pool No. 4		Connorsville Medicine Hat A	1 920
Michichi Belly River B & H	128		
Watts Belly River B & I	58	Countess Medicine Hat A	8 467
Total	<u>186</u>	Estuary Medicine Hat A	260
		Eyremore Medicine Hat A	118
Milk River Pool No. 1		Gleichen Medicine Hat A	712
Alderson Milk River A	13 400	Hussar Medicine Hat A	2 950
Atlee-Buffalo Milk River A	5 500		
Bantry Milk River A	6 612	Jenner Medicine Hat A	1 300
Bindloss Milk River A	1 010	Kitsim Medicine Hat A	270
Bow Island Milk River A	67	Lathom Medicine Hat A	245
		Leckie Medicine Hat A	155
Brooks Milk River A	295	Matziwin Medicine Hat A	1 430
Cessford Milk River A	2 780		
Connorsville Milk River A	676	Medicine Hat Medicine Hat A	50 000
Countess Milk River A	7 498	Mossleigh Medicine Hat A	35
Countess Second White Specks B ^a	409	Newell Medicine Hat A	79
Hussar Belly River C	30	Princess Medicine Hat A	4 350
		Seiu Lake Medicine Hat A	581
Hussar Milk River A	128		
Jenner Milk River A	3 510	Shouldice Medicine Hat A	640
Johnson Milk River A	356	Suffield Medicine Hat A	11 200
Kitsim Milk River A	125	Verger Medicine Hat A	5 341
Leckie Milk River A	365	Wayne-Rosedale Medicine Hat A	1 130
		Wintering Hills Medicine Hat A	3 980
		Total	<u>113 283</u>

TABLE 4-4 (continued)

Multi-field Pool Field and Pool	Initial Established Reserves	Multi-field Pool Field and Pool	Initial Established Reserves
	10 ⁶ m ³		10 ⁶ m ³
Medicine Hat Pool No. 3			
Alderson Medicine Hat C	670	Cessford Second White Specks A	410
Atlee-Buffalo Medicine Hat C	11	Countess Second White Specks A	536
Bantry Medicine Hat C	915	Jenner Second White Specks A	1 130
Bow Island Medicine Hat C	12	Johnson Second White Specks A	98
Brooks Medicine Hat C	26	Matziwin Second White Specks A	60
Cessford Medicine Hat C	221	Medicine Hat Second White Specks A	5 200
Countess Medicine Hat C	150	Princess Second White Specks A	5 678
Eyremore Medicine Hat C	29	Suffield Second White Specks A	11 300
Jenner Medicine Hat C	36	Verger Second White Specks A	2 805
Leckie Medicine Hat C	11		
Matziwin Medicine Hat C	33	Total	<u>44 121</u>
Medicine Hat Medicine Hat C	2 600	Second White Specks Pool No. 2	
Medicine Hat Second White Specks J ^d	314	Garden Plains Second White Specks E	794
Medicine Hat Second White Specks M ^e	9	Hanna Second White Specks E	367
Medicine Hat Lower Colorado Sand A ^d	250	Provost Second White Specks E	214
Newell Medicine Hat C	54	Richdale Second White Specks E	100
Princess Medicine Hat C	357	Sullivan Lake Second White Specks E	50
Suffield Medicine Hat C	890	Total	<u>1 525</u>
Verger Medicine Hat C	134		
Total	<u>6 722</u>	Viking Pool No. 1	
Medicine Hat Pool No. 4		Fairydell-Bon Accord Upper Viking A & C and	
Alderson Medicine Hat D	194	Middle Viking A & B	3 541
Atlee-Buffalo Medicine Hat D	22	Peavey Upper Viking A	12
Bantry Medicine Hat D	109	Redwater Upper Viking A	1 940
Bindloss Medicine Hat D	3	Redwater Middle Viking A	601
Brooks Medicine Hat D	4	Redwater Lower Viking A	299
Cessford Medicine Hat D	545	Westlock Middle Viking B	323
Countess Medicine Hat D	60	Total	<u>6 716</u>
Jenner Medicine Hat D	70	Viking Pool No. 2	
Matziwin Medicine Hat D	101	Beaverhill Lake Upper Viking A & B,	
Medicine Hat Medicine Hat D	2 400	Middle Viking A, and	
Newell Medicine Hat D	18	Lower Viking A	4 800
Princess Medicine Hat D	253	Bellshill Lake Upper Viking A	116
Suffield Medicine Hat D	1 000	Birch Upper and Middle Viking A	99
Verger Medicine Hat D	214	Bruce Upper Viking A & F,	
Total	<u>4 993</u>	Middle Viking A & B, and	
Second White Specks Pool No. 1		Upper Mannville Z	3 910
Alderson Second White Specks A	13 317	Dinant Upper Viking A	69
Atlee-Buffalo Second White Specks A	47	Fort Saskatchewan Upper and	
Bantry Second White Specks A	2 703	Middle Viking A	7 700
Bow Island Second White Specks A	830	Holmberg Upper Viking A	82
Bow Island Second White Specks C	7	Killam Upper and Middle Viking A	1 698

TABLE 4-4 (continued)

Multi-field Pool Field and Pool	Initial Established Reserves	Multi-field Pool Field and Pool	Initial Established Reserves
	10 ⁶ m ³		10 ⁶ m ³
Killam North Upper and Middle Viking A, Basal Mannville C & U, and Nisku A	1 135	Stry Viking A	131
Mannville Upper and Middle Viking A	277	Sugden Viking A	1 510
		Therien Viking A	204
Sedgewick Upper Viking A	140	Ukalta Viking A	110
Viking-Kinsella Upper and Middle Viking A and Upper Mannville YY	29 000	Whitford Viking A	343
Total	<u>49 026</u>	Willingdon Viking A, B, J & L	193
Viking Pool No. 3		Total	<u>6 923</u>
Carbon Belly River K	44	Viking Pool No. 7	
Carbon Viking D	1 431	Inland Upper Viking C & E and Middle Viking F, G, & I	268
Ghost Pine Viking D	222	Royal Upper Viking C and Lower Viking A	43
Total	<u>1 697</u>	Total	<u>311</u>
Viking Pool No. 4		Viking Pool No. 10	
Fenn-Big Valley Viking B	648	Goodridge Viking F	119
Fenn West Viking B	192	Jarvie Viking F	94
Total	<u>840</u>	Westlock Viking F	287
Viking Pool No. 5		Total	<u>500</u>
Hudson Viking A	699	Viking Pool No. 13	
Sedalia Viking A & F, Upper Mannville D, and Lower Mannville B	465	Chigwell Viking G	176
Total	<u>1 164</u>	Nelson Viking G	174
Viking Pool No. 6		Total	<u>350</u>
Ashmont Viking A	376	St. Edouard Pool No. 3	
Cache Viking A	581	Ukalta St. Edouard B	60
Canard Viking A	88	Whitford St. Edouard B	34
Clay Viking A	257	Total	<u>94</u>
Corrin Viking A	105	Glauconitic Pool No. 3	
Craigend Viking A	2 010	Bonnie Glen Glauconitic A	1 152
Duvernay Viking A	315	Ferrybank Glauconitic A	900
Duvernay Viking M	23	Ferrybank Lower Mannville W	81
Hairy Hill Viking A	269	Total	<u>2 133</u>
Owlseye Viking A	82	Glauconitic Pool No. 5	
Plain Viking A	21	Bigoray Glauconitic I	1 109
Plain Viking N	2	Pembina Glauconitic I	2 672
Plain Upper Mannville UU	70	Pembina Lobstick Glauconitic D	91
Plain Colony T	64	Pembina Ostracod C	191
St. Paul Viking A	169	Total	<u>4 063</u>

TABLE 4-4 (continued)

Multi-field Pool Field and Pool	Initial Established Reserves	Multi-field Pool Field and Pool	Initial Established Reserves
	10 ⁶ m ³		10 ⁶ m ³
Glaucotic Pool No. 6		Cadomin Pool No. 1	
Bassano Glaucotic III	207	Elmworth Cadotte D	313
Countess Glaucotic III	1 738	Elmworth Falher A-1	7 260
Countess Upper Mannville LL	48	Elmworth Falher A-2	2 020
Hussar Glaucotic III	461	Elmworth Falher A-4	184
Wintering Hills Glaucotic III	57	Elmworth Falher A-5	212
		Elmworth Falher A-7	180
Wintering Hills		Elmworth Falher A-10	5 700
Upper Mannville I and Lower Mannville W	103	Elmworth Falher A-16	71
		Elmworth Falher A-21	60
Total	<u>2 614</u>	Elmworth Falher B-1	2 440
		Elmworth Falher B-2	576
Bluesky-Detrital-Debolt Pool No. 1		Elmworth Falher B-3	2 740
Cranberry Bluesky-Detrital-Debolt A	1 720	Elmworth Falher B-4	3 545
Hotchkiss Bluesky-Detrital-Debolt A	3 580	Elmworth Falher B-5	10
		Elmworth Falher B-14	153
Total	<u>5 300</u>	Elmworth Falher B-15	143
		Elmworth Falher B-16	126
Gething Pool No. 1		Elmworth Falher C-2	36
Fox Creek Viking C	137	Elmworth Falher C-3	26
Fox Creek Gething D	551	Elmworth Falher D-2	682
Fox Creek Gething H	4 227	Elmworth Falher D-3	20
Kaybob South Gething H	1 370	Elmworth Falher D-6	43
		Elmworth Bluesky A	104
Total	<u>6 285</u>	Elmworth Gething A	22
		Elmworth Cadomin A	4 930
Ellerslie Pool No. 1		Sinclair Notikewin A	150
Connorsville Glaucotic A	239	Sinclair Cadomin A	2 520
Connorsville Glaucotic B	22		<u>34 266</u>
Connorsville Glaucotic C	140	Halfway Pool No. 1	
Connorsville Glaucotic E	103	Valhalla Halfway B	4 572
Connorsville Glaucotic I	22	Wembley Halfway B	6 315
Connorsville Ellerslie A	2 790	Total	<u>10 887</u>
Wintering Hills Ellerslie A	1 544		
		Banff Pool No. 1	
Total	<u>4 860</u>	Haro Banff E	87
		Rainbow Banff E	13
		Rainbow South Banff E	59
		Total	<u>159</u>

a Also commingled with the Countess Medicine Hat A pool.

b Also commingled with the Medicine Hat Medicine Hat A, C, & D pools.

c Also commingled with the Medicine Hat Medicine Hat C & D and Second White Specks A pools.

d Also commingled with the Medicine Hat Medicine Hat D pool.

e Also commingled with the Medicine Hat Medicine Hat D and Medicine Hat Second White Specks A pools.



Reserves of Gas and Basic Data

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA ha
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
ABEE 062-23W4 TOTAL-ABEE	3 008			1 916	960	956		35 942	
ACADIA 026-04W4 TOTAL-ACADIA	68			46	3	43		1 595	
ACHESON 052-26W4 D-3 A SOLN D-3 A ASSOC OTHER TOTAL-ACHESON	2 669 60 2 313 5 042	0.82 0.75	0.30 0.20	1 532 ^b 36 ^b 1 385 2 953	 711 ^b 795 1 506	 857 590 1 447	43 43	37 211 23 075 60 286	884
ACHESON EAST 052-26W4 TOTAL-ACHESON EAST	817			362	206	156		6 035	
ACME 029-25W4 TOTAL-ACME	192			114		114		4 277	
ADEN 001-09W4 RUNDLE A OTHER TOTAL-ADEN	958 628 1 586	0.85	0.05	773 422 1 195	423 251 674	350 171 521	37	12 989 6 379 19 368	711
AERIAL 029-18W4 TOTAL-AERIAL	1 368			822	267	555		20 978	
AETNA (SA) 002-25W4 TOTAL-AETNA	136			98		98		3 700	
AKUINU 066-04W5 TOTAL-AKUINU	775			549	318	231		8 653	
ALBERS 041-07W4 TOTAL-ALBERS	133			90		90		3 208	
ALBRIGHT 072-09W6 TOTAL-ALBRIGHT	963			680	230	450		17 597	
ALCOMDALE 058-26W4 TOTAL-ALCOMDALE	158			104	9	95		3 607	
ALDER 045-08W5 TOTAL-ALDER	326			215	141	74		2 996	
ALDERSON 015-11W4 MILK RIVER A MEDICINE HAT A MEDICINE HAT C MEDICINE HAT D SECOND WHITE SPECKS A SE ALTA GAS SYS(MU) TOTAL BOW ISLAND O	20 150 4 124 1 382 400 18 691 44 747 575	0.70 0.70 0.50 0.50 0.75 0.70 0.80	0.05 0.03 0.03 0.03 0.05 0.05 0.05	13 400 2 800 670 194 13 317 30 381 437	 19 522 380	 10 859 57	36 36 36 36 36 36 37	 396 028 2 108	161 765 67 799 57 415 16 618 153 952 1 333
UPPER MANNVILLE DDD UPPER MANNVILLE EEE UPPER MANNVILLE LLL OTHER TOTAL-ALDERSON	425 397 659 8 867 55 670	0.85 0.90 0.85	0.05 0.10 0.10	343 321 504 5 779 37 765	142 289 481 1 518 22 332	201 32 23 4 261 15 433	37 36 36	7 437 1 160 830 155 624 563 187	616 300 323
ALEXANDER 056-27W4 BASAL QUARTZ A OTHER TOTAL-ALEXANDER	4 341 925 5 266	0.95	0.03	4 000 598 4 598	3 978 143 4 121	22 455 477	39	848 17 356 18 204	4 350
ALEXIS 056-05W5 BANFF A SOLN BANFF A ASSOC OTHER TOTAL-ALEXIS	386 289 270 945	0.65 0.85	0.40 0.10	151 ^b 221 ^b 182 554	 241 ^b 5 246	 131 177 308	39 39	5 146 6 764 11 910	320

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
0.45	0.110	0.90	11 640	55	0.667	0.89 0.89	1 484.7	1950 1950	1991 1991	GPP GPP
10.10	0.201	0.65	6 850	24	0.877	0.58	866.0	1960	1990	CMG MATERIAL BALANCE
9.04	0.154	0.55	3 140	16	0.937	0.56	317.3	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
1.41	0.170	0.55	4 310	17	0.916	0.56	428.6	1904	1982	PART OF MED HAT POOL NO.1
0.61	0.139	0.60	4 450	19	0.916	0.56	439.8	1973	1987	PART OF MED HAT POOL NO.3
0.61	0.139	0.60	4 450	19	0.916	0.56	469.1	1973	1988	PART OF MED HAT POOL NO.4
1.57	0.216	0.60	5 690	27	0.904	0.57	607.2	1944 1904	1987 1992	PART OF 2WS POOL NO.1 ESSO KANNGAZ TCPL CTYMEDH CWNGNUL POCO PANCDN AMEAGLE WEBEX AEC NORCEN CRESTAR SCEPTRE TCPL PANCDN AMEAGLE PRODUCTION DECLINE
2.88	0.277	0.65	6 560	25	0.881	0.58	736.8	1981	1993	PANCDN
5.19	0.166	0.65	10 820	32	0.819	0.63	981.9	1982	1990	TCPL PRODUCTION DECLINE
3.35	0.250	0.75	11 080	32	0.806	0.67	1 001.8	1972	1992	TCPL PRODUCTION DECLINE
7.81	0.228	0.85	8 090	31	0.849	0.66	991.5	1972	1993	PRODUCTION DECLINE
3.20	0.193	0.75	9 210	45	0.850	0.63	1 169.1	1954	1992	NORCEN ESSO POCO PRODUCTION DECLINE
9.34	0.124	0.65	11 410	52	0.831	0.65 0.65	1 357.9	1968 1968	1987 1987	PANALTA NORCEN CONCURRENT PRODUCTION PANALTA NORCEN CONCURRENT PRODUCTION

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
ALGAR 079-15W4 TOTAL-ALGAR	241			171	76	95		3 523	
ALIX 040-23W4 TOTAL-ALIX	811			393	149	244		9 201	
ALKALI 024-05W4 TOTAL-ALKALI	214			147	17	130		4 768	
ALLIANCE 040-13W4 TOTAL-ALLIANCE	107			66	1	65		2 388	
ALPEN 063-19W4 TOTAL-ALPEN	281			166	45	121		4 508	
ALSASK 027-01W4 TOTAL-ALSASK	924			662	280	382		14 073	
ALTARIO 034-01W4 TOTAL-ALTARIO	1 162			786	188	598		21 568	
AMADOU 073-20W4 TOTAL-AMADOU	206			119		119		4 381	
AMBER 115-07W6 TOTAL-AMBER	3 079			1 828	272	1 556		59 891	
AMELIA 010-27W4 TOTAL-AMELIA	59			34		34		1 332	
AMIGO 119-07W6 TOTAL-AMIGO	1 924			1 155	17	1 138		44 967	
ANATOLE 031-03W4 TOTAL-ANATOLE	170			107	2	105		3 968	
ANGLING 060-02W4									
GRAND RAPIDS B		0.65	0.05				36		3 223
GRAND RAPIDS C		0.65	0.05				37		200
GRAND RAPIDS D		0.60	0.05				37		150
GRAND RAPIDS E		0.55	0.05				37		128
SPARKY A		0.65	0.05				37		200
GR RAP BCDE & SPKY A TOTAL	1 333	0.75	0.25	750	743	7		258	
OTHER	130			79	56	23		843	
TOTAL-ANGLING	1 463			829	799	30		1 101	
ANGLO 019-19W4 TOTAL-ANGLO	297			211	49	162		5 745	
ANKERTON 044-15W4 TOTAL-ANKERTON	569			364		364		13 324	
ANNE (SA) 003-21W4 TOTAL-ANNE	81			58		58		1 895	
ANSELL 052-20W5 CARDIUM E	4 949	0.20	0.15	842	150	692	41	28 199	3 996
CARDIUM A	346	0.20	0.10	62			41		400
CARDIUM B	126	0.60	0.15	65			42		200
CARDIUM C	73	0.60	0.10	40			40		200
CARDIUM G	7 500	0.20	0.10	1 350			41		8 946
CARDIUM A,B,C & G TOTAL	8 045	0.20	0.10	1 517	511	1 006	41	41 055	
VIKING A	389	0.65	0.10	228			39		714
CADOMIN B	693	0.65	0.10	405			38		1 019
VIKING A & CADOMIN B TOTAL	1 082	0.65	0.10	633	30	603	39	23 222	
BLUESKY A	584	0.75	0.10	394	5	389	40	15 614	774
CADOMIN A	511	0.85	0.10	391	7	384	40	15 272	646
CADOMIN C	532	0.85	0.05	429	5	424	39	16 714	673
OTHER	3 775			2 323	194	2 129		83 338	
TOTAL-ANSELL	19 478			6 529	902	5 627		223 414	

[illegible]

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
ANTE CREEK 065-24W5									
DUNVEGAN B	724	0.75	0.10	489	263	226	39	8 900	1 259
PEACE RIVER A	608	0.80	0.05	462	185	277	39	10 894	1 706
BEAVERHILL LAKE SOLN	3 308	0.48	0.20	1 270 ^b			44		
BEAVERHILL LAKE ASSOC		0.50	0.15		695 ^b	575	44	25 542	
OTHER	574			322	169	153		5 850	
TOTAL-ANTE CREEK	5 214			2 543	1 312	1 231		51 186	
ANTE CREEK NORTH 067-23W5									
TOTAL-ANTE CREEK NORTH	1 109			788	26	762		29 667	
ANTELOPE 030-01W4									
COLONY A	503	0.85	0.05	407	159	248	37	9 144	3 333
BANFF A	732	0.75	0.05	522	423	99	37	3 664	1 618
OTHER	1 259			839	178	661		24 228	
TOTAL-ANTELOPE	2 494			1 768	760	1 008		37 036	
ANTHONY (SA) 083-24W5									
TOTAL-ANTHONY	32			16		16		613	
ANTLER (SA) 048-24W5									
BL 31-048-23	839	0.90	0.10	680		680	37	25 310	150
TOTAL-ANTLER	839			680		680		25 310	
APETOWUN (SA) 052-22W5									
NIS 22-052-22	873	0.75	0.45	360		360	36	13 118	200
OTHER	184			124		124		4 671	
TOTAL-APETOWUN	1 057			484		484		17 789	
ARDENODE 026-25W4									
TOTAL-ARDENODE	139			86		86		3 185	
ARGUS (SA) 103-08W6									
TOTAL-ARGUS	233			152		152		5 528	
ARMADA 016-19W4									
TOTAL-ARMADA	1 377			960	323	637		23 737	
ARMISIE 052-25W4									
TOTAL-ARMISIE	289			129	30	99		4 030	
ARMITAGE 074-14W4									
TOTAL-ARMITAGE	407			230		230		8 432	
ARNESON 025-02W4									
TOTAL-ARNESON	438			301	56	245		9 032	
ARTLAND 044-02W4									
TOTAL-ARTLAND	292			198		198		7 216	
ARVILLA 058-27W4									
TOTAL-ARVILLA	160			96	19	77		2 906	
ASHMONT 060-11W4									
VIKING A	991	0.40	0.05	376		376	37	14 025	19 524
OTHER	1 029			653	312	341		12 784	
TOTAL-ASHMONT	2 020			1 029	312	717		26 809	
ASTOTIN 054-19W4									
TOTAL-ASTOTIN	445			274	112	162		5 965	
ATHABASCA 066-23W4									
GRAND RAPIDS B	620	0.80	0.05	471	362	109	38	4 176	2 155
OTHER	1 504			998	368	630		23 592	
TOTAL-ATHABASCA	2 124			1 469	730	739		27 768	
ATHABASCA EAST 066-22W4									
UPPER MANNVILLE A	493	0.70	0.05	328	282	46	38	1 731	673
GLAUCONITIC A		0.75	0.05				38		2 619
LOWER MANNVILLE B		0.75	0.05				37		150
GLAUC A & L MANN B TOTAL	468	0.75	0.05	333	284	49	38	1 845	
D-1 B	587	0.75	0.05	418	360	58	37	2 167	660

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
1.64 2.24	0.164 0.195	0.60 0.65	10 410 12 130	46 54	0.821 0.840	0.66 0.62 0.86 0.86	1 292.2 1 665.7	1971 1962 1962 1962	1990 1989 1990 1990	PANALTA MATERIAL BALANCE GPP GPP
1.49 4.29	0.302 0.208	0.40 0.65	7 650 8 310	26 29	0.867 0.866	0.58 0.57	767.0 856.7	1957 1957	1989 1993	SASKEN GULF WESTGAS PRODUCTION DECLINE
22.82	0.200	0.65	20 820	84	0.880	0.71	2 088.4	1977	1988	AMERADA BER
57.69	0.040	0.65	35 300	109	0.903	0.80	4 121.8	1981	1982	PROGAS
1.06	0.229	0.50	3 890	15	0.918	0.58	419.9	1949	1991	SASKEN CENTRA TCPL PANALTA SCEPTRE BVI POCD PART OF VIK POOL NO.6
3.41	0.333	0.65	3 640	17	0.916	0.60	491.9	1952	1981	PARAMNT AMOCO TCPL
2.51 1.81 2.50 8.77	0.268 0.221 0.310 0.176	0.65 0.55 0.70 0.75	3 110 3 630 3 790 3 720	21 20 20 30	0.939 0.928 0.916 0.935	0.56 0.56 0.62 0.56	519.9 562.6 615.8 485.2	1970 1978 1978 1970	1991 1991 1991 1988	TCPL RENENER PRODUCTION DECLINE MATERIAL BALANCE MATERIAL BALANCE TCPL RENENER CNRL SUNCOR TCPL PANALTA PRODUCTION DECLINE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
ATHABASCA EAST 066-22W4 (CONTINUED)									
OTHER	1 321			867	413	454		17 026	
TOTAL-ATHABASCA EAST	2 869			1 946	1 339	607		22 769	
ATIM 054-26W4									
TOTAL-ATIM	481			321	75	246		9 352	
ATLEE-BUFFALO 021-08W4									
MILK RIVER A	8 270	0.70	0.05	5 500			36		76 866
MEDICINE HAT A	3 637	0.70	0.03	2 470			36		63 389
MEDICINE HAT C	22	0.50	0.03	11			36		1 053
MEDICINE HAT D	45	0.50	0.03	22			36		2 656
SECOND WHITE SPECKS A	65	0.75	0.05	47			36		1 073
SE ALTA GAS SYS (MU) TOTAL	12 039	0.70	0.05	8 050	3 785	4 265	36	155 545	
VIKING H	811	0.85	0.05	655	575	80	36	2 855	11 442
MANN 01-023-08	399	0.90	0.10	323		323	38	12 274	150
OTHER	5 332			3 500	814	2 686		97 253	
TOTAL-ATLEE-BUFFALO	18 581			12 528	5 174	7 354		267 927	
ATMORE 067-17W4									
MCMURRAY A	718	0.80	0.05	545	203	342	37	12 685	9 594
MCMURRAY B		0.70	0.05				37		4 191
NISKU A		0.70	0.05				37		1 883
NISKU A & MCMURRAY B TOTAL	1 774	0.70	0.05	1 180	1 017	163	37	6 024	
OTHER	2 897			1 733	726	1 007		37 363	
TOTAL-ATMORE	5 389			3 458	1 946	1 512		56 072	
AUBURNDALE 047-06W4									
TOTAL-AUBURNDALE	1 226			835	554	281		10 208	
BADGER 016-18W4									
TOTAL-BADGER	1 695			1 093	277	816		30 552	
BALSAM 082-10W6									
KISKATINAW A	945	0.85	0.05	763	367	396	37	14 818	1 086
OTHER	1 480			1 065	203	862		33 149	
TOTAL-BALSAM	2 425			1 828	570	1 258		47 967	
BANSHEE 050-22W5									
LED 14-050-22	957	0.85	0.45	447		447	37	16 593	200
OTHER	215			136		136		5 323	
TOTAL-BANSHEE	1 172			583		583		21 916	
BANTRY 016-13W4									
MILK RIVER A	9 943	0.70	0.05	6 612			36		92 038
MEDICINE HAT A	6 063	0.70	0.03	4 117			36		80 310
MEDICINE HAT C	1 886	0.50	0.03	915			36		43 059
MEDICINE HAT D	224	0.50	0.03	109			36		8 734
SECOND WHITE SPECKS A	3 793	0.75	0.05	2 703			36		46 714
SE ALTA GAS SYS(MU) TOTAL	21 909	0.70	0.05	14 456	9 928	4 528	36	165 136	
VIKING U	1 394	0.75	0.05	994			38		11 240
VIKING V	39	0.75	0.05	28			38		200
VIKING W	23	0.75	0.05	16			38		200
BASAL COLORADO C	182	0.75	0.05	130			36		1 328
VIKING T	7	0.75	0.05	5			38		200
VIK TUVW & BSL COLD C TOTAL	1 645	0.75	0.05	1 173	432	741	37	27 587	
MANNVILLE A ASSOC	243	0.90	0.10	197b			37		400
MANNVILLE A SOLN	2 960	0.25	0.50	370b			37		
MANNVILLE A ASSOC	261	0.90	0.10	212b			37		648
MANNVILLE A ASSOC	14	0.90	0.10	12b			37		36
MANNVILLE A ASSOC	231	0.90	0.10	187b			37		465
MANNVILLE A ASSOC	14	0.90	0.10	12b			37		32
MANNVILLE A ASSOC	31	0.90	0.10	25b			37		128
MANNVILLE A ASSOC	28	0.90	0.10	23b			37		64
MANNVILLE A ASSOC	2	0.90	0.10	2b			37		32
MANNVILLE A ASSOC	7	0.90	0.10	5b			37		32

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
4.82	0.154	0.55	3 140	16	0.937	0.56	368.4	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
1.33	0.170	0.55	4 310	17	0.916	0.56	461.2	1904	1987	PART OF MED HAT POOL NO.1
0.53	0.139	0.60	4 450	19	0.916	0.56	510.9	1973	1987	PART OF MED HAT POOL NO.3
0.43	0.139	0.60	4 450	19	0.916	0.56	535.9	1973	1987	PART OF MED HAT POOL NO.4
0.78	0.216	0.60	5 690	27	0.904	0.56	646.9	1944	1987	PART OF 2WS POOL NO.1
								1904	1986	CANST TCPL CWNGNUL PANALTA RENENER ESSO NORCEN CRESTAR
1.29	0.238	0.60	6 830	27	0.885	0.59	785.8	1955	1982	SHELL PINCL TCPL RENENER PANCDN CRESTAR MATERIAL BALANCE
18.00	0.250	0.60	8 600	29	0.821	0.65	740.0	1990	1990	WESTGAS
1.84	0.257	0.60	2 630	25	0.952	0.57	510.5	1968	1991	TCPL PANALTA PROGAS BVI AMOCO
1.71	0.272	0.60	2 840	20	0.945	0.56	520.5	1960	1987	MATERIAL BALANCE
6.57	0.161	0.65	2 860	25	0.948	0.56	507.9	1967	1987	MATERIAL BALANCE
								1960	1985	AMOCO SCEPTRE TALISMA
5.41	0.128	0.80	17 200	77	0.890	0.60	1 866.7	1974	1986	TCPL POCO
47.54	0.044	0.85	42 040	166	1.012	0.84	4 580.6	1977	1981	PANALTA BER
8.85	0.154	0.55	3 140	16	0.937	0.56	359.8	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
1.75	0.170	0.55	4 310	17	0.916	0.57	448.1	1904	1993	PART OF MED HAT POOL NO.1
1.11	0.139	0.60	4 450	19	0.916	0.56	464.3	1973	1987	PART OF MED HAT POOL NO.3
0.65	0.139	0.60	4 450	19	0.916	0.56	507.8	1973	1993	PART OF MED HAT POOL NO.4
1.05	0.216	0.60	5 690	27	0.904	0.57	640.0	1944	1993	PART OF 2WS POOL NO.1
								1904	1992	TCPL CWNGNUL NCMI PANALTA ESSO PANCDN TALISMA POCO CRESTAR
2.03	0.162	0.50	7 000	29	0.874	0.60	817.9	1964	1993	
2.47	0.140	0.70	7 380	27	0.863	0.59	814.3	1973	1988	
1.85	0.170	0.45	7 450	27	0.862	0.59	830.0	1973	1988	
1.13	0.200	0.65	8 550	30	0.859	0.61	881.9	1946	1986	
0.61	0.170	0.40	7 140	27	0.858	0.61	807.7	1973	1988	
								1946	1992	TCPL CWNGNUL NCMI PANCDN PANALTA SCEPTRE CRESTAR
2.53	0.260	0.70	10 780	30	0.768	0.71	976.9	1947	1992	GPP
						0.71		1947	1992	GPP
1.68	0.260	0.70	10 780	30	0.768	0.71	981.3	1947	1992	
1.58	0.260	0.70	10 780	30	0.767	0.72	989.3	1947	1992	
2.06	0.260	0.70	10 780	30	0.765	0.72	992.4	1947	1992	
1.80	0.260	0.70	10 780	30	0.768	0.72	997.3	1947	1992	ASSIGNED WELL 16-15-018-13W4M
1.00	0.260	0.70	10 780	30	0.767	0.72	993.5	1947	1992	ASSIGNED WELL 10-26-017-13W4M
1.80	0.260	0.70	10 780	30	0.768	0.72	990.7	1947	1985	ASSIGNED WELL 12-34-017-12W4M
0.30	0.260	0.70	10 780	30	0.768	0.72	989.2	1947	1985	ASSIGNED WELL 12-01-018-13W4M
0.90	0.260	0.70	10 780	30	0.768	0.72	989.3	1947	1985	ASSIGNED WELL 01-02-018-13W4M

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
BANTRY 016-13W4 (CONTINUED)									
MANNVILLE A ASSOC	5	0.90	0.10	5b			37		15
MANNVILLE A ASSOC	125	0.80	0.10	90b			37		150
MANNVILLE A TOTAL	3 921	0.40	0.30	1 140b	756b	384	37	14 269	
OTHER	6 406			4 176	2 013	2 163		79 574	
TOTAL-BANTRY	33 881			20 945	13 129	7 816		286 566	
BAPTISTE 067-22W4									
MANNVILLE G	1 968	0.60	0.05	1 122	379	743	39	28 672	5 550
MANNVILLE H	699	0.80	0.05	531	310	221	36	7 989	6 427
WABAMUN C	1 017	0.75	0.05	725	264	461	38	17 661	2 015
WABAMUN E	1 243	0.70	0.05	827	743	84	37	3 138	1 452
OTHER	1 057			692	210	482		18 030	
TOTAL-BAPTISTE	5 984			3 897	1 906	1 991		75 490	
BARE (SA) 003-03W4									
TOTAL-BARE	55			42		42		1 554	
BARK (SA) 121-07W6									
TOTAL-BARK	98			61		61		2 167	
BARRHEAD 058-04W5									
TOTAL-BARRHEAD	1 815			1 283	30	1 253		47 215	
BARTMAN 025-09W4									
TOTAL-BARTMAN	183			131	13	118		4 377	
BASELINE 061-14W5									
TOTAL-BASELINE	15			10		10		325	
BASHAW 042-22W4									
BELLY RIVER C	1 951	0.65	0.05	1 205			37		22 570
BELLY RIVER G	77	0.65	0.05	48			37		787
BELLY RIVER H	302	0.65	0.05	186			37		3 404
BELLY RIVER L	33	0.65	0.05	20			38		250
BELLY RIVER M	343	0.70	0.05	228			37		757
BELLY RIVER O	25	0.65	0.05	15			37		250
B RIVER C,G,H,L,M&Q TOTAL	2 731	0.65	0.05	1 702	983	719	37	26 445	
BASAL MANNVILLE B									
BASAL MANNVILLE B	129	0.70	0.15	77			39		873
BASAL MANNVILLE B	58	0.70	0.15	35			39		300
BASAL MANNVILLE B	659	0.70	0.15	392			39		1 350
BASAL MANNVILLE B TOTAL	846	0.70	0.15	504	194	310	38	11 758	
D-3 A ASSOC	692	0.85	0.20	470b			36		1 176
D-3 A SOLN	349	0.65	0.20	182b			36		
D-3 A ASSOC	2	0.85	0.20	2b			36		13
D-3 A TOTAL	1 043	0.80	0.20	654b	365b	289	36	10 439	
OTHER	5 294			3 098	860	2 238		84 254	
TOTAL-BASHAW	9 914			5 958	2 402	3 556		132 896	
BASING 048-20W5									
TURNER VALLEY A	2 778	0.40	0.10	1 000	132	868	38	33 218	2 483
TV 048-21	1 563	0.40	0.10	563		563	38	21 141	1 710
OTHER	663			431	118	313		12 162	
TOTAL-BASING	5 004			1 994	250	1 744		66 521	
BASSANO 021-18W4									
MEDICINE HAT A	616	0.70	0.03	418			36		501
SE ALTA GAS SYS (MU) TOTAL	616	0.70	0.05	418	2	416	36	15 172	
BOW ISLAND G	544	0.75	0.05	388	176	212	36	7 643	2 766
UPPER MANNVILLE C	496	0.75	0.10	335	282	53	39	2 060	447
OTHER	2 754			1 832	477	1 355		50 456	
TOTAL-BASSANO	4 410			2 973	937	2 036		75 331	
BATTLE 046-20W4									
TOTAL-BATTLE	133			78		78		2 884	
BATTLE NORTH 046-20W4									
TOTAL-BATTLE NORTH	15			10		10		393	
BATTLE SOUTH 045-20W4									
TOTAL-BATTLE SOUTH	335			209	77	132		4 963	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
1.45 5.00	0.260 0.210	0.70 0.60	10 780 10 780	30 30	0.767 0.767	0.72 0.72	985.5 972.9	1947 1947 1947	1992 1990 1992	ASSIGNED WELL 02/10-15-017-12W4M TCPL CRESTAR GPP
4.38 3.02 8.80 6.81	0.292 0.269 0.218 0.163	0.65 0.60 0.75 0.75	3 170 3 710 3 480 3 520	22 21 29 29	0.935 0.928 0.934 0.936	0.57 0.59 0.59 0.57	480.2 476.5 603.3 584.0	1966 1965 1976 1959	1993 1993 1993 1987	PRODUCTION DECLINE CANST TCPL CNRL TCPL KANNGAZ PRODUCTION DECLINE
4.30 1.68 1.91 3.00 3.95 2.50	0.248 0.275 0.263 0.250 0.295 0.230	0.40 0.50 0.40 0.40 0.50 0.40	2 020 4 100 4 220 4 300 4 020 4 140	22 25 22 27 26 21	0.961 0.927 0.922 0.924 0.929 0.922	0.58 0.56 0.56 0.55 0.56 0.56	511.2 618.5 650.0 645.3 650.7 619.6	1977 1980 1978 1981 1982 1981 1977	1991 1985 1992 1988 1986 1988 1992	PART OF BR POOL NO.1 PART OF BR POOL NO.1 PART OF BR POOL NO.1 PART OF BR POOL NO.1 PART OF BR POOL NO.1 PART OF BR POOL NO.1 KANNAGZ DEKALB TCPL PANALTA SCEPTRE WESTGAS CNWE NORCEN PANCDN POCO PART OF BR POOL NO.1
1.44 2.45 3.84	0.202 0.185 0.209	0.50 0.50 0.60	9 720 9 880 9 730	53 93 53	0.837 0.897 0.837	0.72 0.72 0.72	1 372.8 1 392.3 1 414.3	1963 1963 1963 1963 1992	1992 1992 1992 1992 1992	HUSKY HOME NCMI TCPL CONCURRENT PRODUCTION CONCURRENT PRODUCTION
5.27 2.00	0.077 0.050	0.85 0.85	16 060 16 060	60 60	0.804 0.804	0.78 0.78	1 754.4 1 732.8	1951 1951 1951 1951	1991 1991 1990 1991	DEKALB TCPL PANCDN CONCURRENT PRODUCTION
9.92 9.51	0.060 0.050	0.80 0.80	33 630 32 000	123 119	1.028 1.019	0.63 0.63	3 912.2 3 802.2	1975 1978	1990 1986	PANALTA TOP/BASE TVD TCPL PANALTA TOP/BASE TVD
1.66 2.16 3.09	0.170 0.211 0.235	0.55 0.50 0.65	4 310 8 160 10 480	17 33 38	0.916 0.879 0.807	0.56 0.59 0.66	704.0 1 150.5 1 220.0	1904 1988 1968	1987 1983 1993 1992	PART OF MED HAT POOL NO.1 TCPL PANALTA PANCDN TCPL PROGAS PANALTA WESTGAS TCPL PANCDN PRODUCTION DECLINE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
BAXTER LAKE 047-05W4 MANNVILLE B OTHER TOTAL-BAXTER LAKE	502 780 1 282	0.85	0.05	406 481 887	377 258 635	29 223 252	34	973 7 890 8 863	917
BEAR CANYON 082-12W6 TOTAL-BEAR CANYON	929			684		684		26 080	
BEATON 087-02W6 TOTAL-BEATON	1 379			907	580	327		12 060	
BEATTY LAKE (SA) 122-02W6 TOTAL-BEATTY LAKE	171			111		111		4 146	
BEAUVALLON 053-10W4 COLONY K COLONY K COLONY K COLONY K		0.85 0.85 0.85 0.85	0.05 0.05 0.05 0.05				37 37 37 37		2 691 249 239 100
COLONY K TOTAL	1 784	0.85	0.05	1 440	1 372	68	37	2 542	
COLONY L	1 251	0.68	0.05	808	738	70	38	2 631	3 072
COLONY P COLONY HH COLONY P & HH TOTAL OTHER TOTAL-BEAUVALLON	673 22 695 2 820 6 550	0.75 0.70 0.75	0.05 0.05 0.05	480 14 494 1 874 4 616		165 329 1 047 1 514	37 37 37	12 282 38 657 56 112	5 808 150
BEAVER CROSSING 062-01W4 TOTAL-BEAVER CROSSING	376			201	95	106		3 803	
BEAVERHILL LAKE 052-19W4 UPPER VIKING A UPPER VIKING B MIDDLE VIKING A LOWER VIKING A UVIK AB, MVIK A & LVIK A TOTAL OTHER TOTAL-BEAVERHILL LAKE		0.80 0.80 0.85 0.80 0.80 6 186 2 317 8 503	0.03 0.03 0.03 0.03 0.05				37 37 37 37 37		200 5 634 33 875 13 933
BEAVER LODGE 072-10W6 TOTAL-BEAVER LODGE	391			268	86	182		7 009	
BELLIS 059-15W4 UPPER MANNVILLE B UPPER MANNVILLE B UPPER MANNVILLE B UPPER MANNVILLE B UPPER MANNVILLE B TOTAL UPPER MANNVILLE E UPPER MANNVILLE F UPPER MANNVILLE G UPPER MANNVILLE H U MANN E, F, G & H TOTAL NISKU C NISKU F OTHER TOTAL-BELLIS		0.80 0.85 0.80 0.80 0.80 0.75 0.75 0.75 0.75 0.75 1 445 560 546 5 970 9 463	0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.65 0.70				38 38 38 38 38 37 38 38 38 38 37 37 37 37		1 347 300 100 1 681 263 3 498 856 1 177 200 2 206 965 5 767 70 738 79 939
BELLOY 078-01W6 CADDOTTE A NOTI KEWIN A DEBOLT A DEBOLT B DEBOLT C ASSOC DEBOLT C SOLN DEBOLT A, B & C TOTAL OTHER TOTAL-BELLOY	668 584 266 494 362 7 1 129 2 446 4 827	0.75 0.56 0.80 0.80 0.80 0.65 0.80	0.05 0.05 0.10 0.10 0.10 0.10 0.10	476 311 192b 356b 261b 5b 814b 1 722 3 323	145 305	331 6	37 37 39 39 38 38 39	12 396 224	3 033 481 789 944 575
DEBOLT A, B & C TOTAL OTHER TOTAL-BELLOY	1 129 2 446 4 827	0.80	0.10	814b 1 722 3 323	447b 477 1 374	367 1 245 1 949	39	14 207 47 519 74 346	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
2.60	0.262	0.65	4 560	24	0.922	0.61	702.5	1975	1988	TCPL PANALTA PRODUCTION DECLINE
5.00	0.284	0.80	4 260	21	0.917	0.57	571.8	1973	1990	MATERIAL BALANCE
2.71	0.285	0.85	4 250	26	0.922	0.57	547.5	1973	1990	MATERIAL BALANCE
1.33	0.229	0.60	3 990	24	0.925	0.57	566.6	1973	1990	MATERIAL BALANCE
4.88	0.270	0.80	3 950	19	0.921	0.57	560.3	1973	1990	MATERIAL BALANCE ASSIGNED WELL
								1973	1990	07-19-053-09W4M
										CWNGNUL AMOCO ESSO HOME PANALTA TCPL
3.98	0.284	0.75	3 780	19	0.924	0.57	536.9	1976	1993	NORCEN SCEPTRE
										ESSO TCPL CWNGNUL NCMI PANALTA NORCEN
										PRODUCTION DECLINE
1.80	0.284	0.60	3 570	17	0.926	0.58	483.6	1972	1990	
1.60	0.330	0.70	3 710	19	0.926	0.57	527.2	1980	1992	
								1972	1992	PANALTA PROGAS TCPL
1.74	0.210	0.60	5 550	33	0.904	0.60	766.1	1917	1982	PART OF VIK POOL NO.2 MATERIAL BALANCE
										ASSIGNED WELL 07-24-051-19W4M
0.90	0.186	0.60	4 800	26	0.909	0.60	765.4	1952	1984	PART OF VIK POOL NO.2 MATERIAL BALANCE
2.09	0.203	0.55	5 550	33	0.904	0.60	790.1	1917	1989	PART OF VIK POOL NO.2 MATERIAL BALANCE
1.21	0.215	0.60	5 550	33	0.904	0.60	785.0	1953	1982	PART OF VIK POOL NO.2 MATERIAL BALANCE
								1917	1982	TCPL CWNGNUL NCMI ESSO NORCEN POCO PART OF
										VIK POOL NO.2
1.49	0.257	0.60	4 070	22	0.919	0.59	493.5	1965	1990	MATERIAL BALANCE
1.53	0.263	0.60	4 070	22	0.918	0.59	476.4	1965	1990	MATERIAL BALANCE
2.70	0.276	0.60	4 080	25	0.921	0.59	524.1	1965	1990	MATERIAL BALANCE
1.22	0.270	0.55	4 070	22	0.918	0.59	513.4	1965	1990	MATERIAL BALANCE
								1965	1990	TCPL PANALTA NORCEN
2.11	0.300	0.65	3 450	22	0.932	0.59	528.7	1963	1992	PRODUCTION DECLINE
1.77	0.300	0.60	3 700	20	0.925	0.57	538.4	1969	1992	PRODUCTION DECLINE
2.12	0.298	0.65	3 860	27	0.928	0.57	550.2	1969	1992	PRODUCTION DECLINE
2.78	0.300	0.55	4 070	20	0.917	0.58	568.9	1969	1992	PRODUCTION DECLINE
								1963	1992	TCPL
9.25	0.206	0.60	3 850	24	0.928	0.56	613.8	1976	1990	TCPL MATERIAL BALANCE
12.06	0.137	0.70	3 600	22	0.933	0.57	626.7	1978	1992	LOMALTA PANALTA HILL MATERIAL BALANCE
3.09	0.338	0.65	3 130	19	0.939	0.56	517.0	1951	1991	TCPL PANCDN NORCEN ENCOR POCO
3.81	0.184	0.60	4 650	27	0.919	0.55	569.5	1951	1992	PRODUCTION DECLINE
2.88	0.227	0.55	14 230	60	0.840	0.63	1 425.0	1951	1981	MATERIAL BALANCE
5.74	0.192	0.65	14 400	60	0.822	0.67	1 451.7	1951	1981	MATERIAL BALANCE
5.86	0.197	0.55	15 750	60	0.832	0.67	1 490.2	1951	1992	MATERIAL BALANCE GPP
						0.67		1951	1992	MATERIAL BALANCE GPP
								1951	1992	GPP

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
BELLSHILL LAKE 041-13W4									
BLAIRMORE ASSOC	143	0.70	0.20	80 ^b			38		228
BLAIRMORE SOLN	1 385	0.65	0.45	495 ^b			38		
BLAIRMORE ASSOC	4	0.70	0.20	2 ^b			38		32
BLAIRMORE ASSOC	5	0.70	0.20	3 ^b			38		15
BLAIRMORE ASSOC	3	0.70	0.20	2 ^b			38		12
BLAIRMORE ASSOC	71	0.70	0.20	40 ^b			38		138
BLAIRMORE TOTAL	1 611	0.65	0.40	622 ^b	273 ^b	349	38	13 143	
OTHER	858			537	148	389		13 669	
TOTAL-BELLSHILL LAKE	2 469			1 159	421	738		26 812	
BENJAMIN 028-07W5									
RUNDLE C	1 070	0.65	0.15	592	373	219	38	8 307	609
RUNDLE A	2 895	0.65	0.15	1 600			39		1 356
RUNDLE B	723	0.65	0.15	400			39		393
RUNDLE A & B TOTAL	3 618	0.65	0.15	2 000	712	1 288	39	50 180	
RUND 28-028-08	912	0.90	0.15	698		698	38	26 280	200
OTHER	1 060			286		286		10 739	
TOTAL-BENJAMIN	6 660			3 576	1 085	2 491		95 506	
BENTLEY 058-07W4									
TOTAL-BENTLEY	108			69		69		2 560	
BENTON 028-03W4									
TOTAL-BENTON	1 400			945	142	803		30 021	
BERLAND RIVER 059-23W5									
LEDUC A	3 852	0.90	0.25	2 600	1 506	1 094	38	41 288	280
LED 07-059-23	1 011	0.75	0.20	606		606	36	21 840	200
TOTAL-BERLAND RIVER	4 863			3 206	1 506	1 700		63 128	
BERLAND RIVER WEST 058-25W5									
WAB 10-058-25	663	0.80	0.25	398		398	38	14 925	440
WAB 26-058-25	422	0.80	0.05	321		321	39	12 410	200
OTHER	100			68		68		2 738	
TOTAL-BERLAND RIVER WEST	1 185			787		787		30 073	
BERRY 027-12W4									
VIKING F	585	0.80	0.05	445	43	402	37	14 890	1 523
OTHER	3 173			2 191	880	1 311		49 364	
TOTAL-BERRY	3 758			2 636	923	1 713		64 254	
BERWYN (SA) 082-25W5									
TOTAL-BERWYN	31			22		22		819	
BESSIE 062-15W5									
TOTAL-BESSIE	37			25		25		982	
BEZANSON (SA) 071-04W6									
TOTAL-BEZANSON	715			534		534		20 804	
BIG ARROW 099-05W6									
TOTAL-BIG ARROW	99			63		63		2 385	
BIG BEND 066-27W4									
GRAND RAPIDS Q	610	0.90	0.05	522	512	10	38	377	554
MCMURRAY H	700	0.75	0.05	499	468	31	37	1 140	1 542
MCMURRAY B		0.65	0.05				38		1 271
MCMURRAY II		0.65	0.05				38		401
WABAMUN F		0.65	0.05				37		128
MCMURRAY B,II & WAB F TOTAL	585	0.65	0.05	361	333	28	38	1 051	
WABAMUN A	748	0.70	0.05	498	369	129	37	4 836	1 968
WABAMUN H	1 494	0.80	0.10	1 076	390	686	38	26 034	2 691
OTHER	12 897			8 221	3 786	4 435		166 058	
TOTAL-BIG BEND	17 034			11 177	5 858	5 319		199 496	
BIG COULEE 067-23W4									
TOTAL-BIG COULEE	921			599	275	324		12 213	
BIGHORN 043-17W5									
TOTAL-BIGHORN	455			321		321		12 273	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
4.18	0.275	0.75	6 510	30	0.839	0.78	900.8	1955	1989	GPP
1.00	0.257	0.70	6 510	30	0.839	0.78	902.6	1955	1989	GPP
2.27	0.262	0.80	6 510	30	0.839	0.78	899.8	1955	1991	
1.75	0.276	0.75	6 510	30	0.839	0.78	916.4	1955	1991	
3.62	0.279	0.70	6 510	30	0.839	0.78	939.7	1955	1987	PINCL TCPL KANNGAZ ESSO HUSKY WESTGAS GPP
16.38	0.064	0.80	28 900	92	0.953	0.68	3 503.9	1978	1991	PANALTA PROGAS MATERIAL BALANCE TOP/BASE TVD
22.78	0.054	0.75	28 000	92	0.943	0.67	3 248.9	1969	1991	TOP/BASE TVD
19.28	0.056	0.75	27 400	92	0.940	0.67	3 292.9	1969	1991	TOP/BASE TVD
										PANALTA PROGAS
32.90	0.070	0.90	21 960	59	0.855	0.64	2 332.5	1991	1993	BER TOP/BASE TVD
65.60	0.074	0.90	36 450	121	1.015	0.68	3 762.7	1958	1990	TCPL MATERIAL BALANCE TOP/BASE TVD
31.50	0.080	0.85	31 610	114	0.984	0.68	3 748.0	1989	1992	AEC CANDXY
21.87	0.036	0.80	33 090	127	0.984	0.72	3 724.1	1958	1973	BER
12.00	0.084	0.85	33 000	104	1.012	0.59	3 618.0	1980	1981	BER
4.52	0.197	0.50	7 990	31	0.867	0.59	970.4	1980	1992	ATCOR SCEPTRE
3.36	0.255	0.60	4 620	21	0.910	0.56	600.6	1967	1993	TCPL PRODUCTION DECLINE
3.69	0.215	0.65	4 680	30	0.911	0.63	795.2	1967	1990	TCPL MATERIAL BALANCE
3.10	0.193	0.60	5 000	30	0.907	0.60	800.5	1968	1987	PRODUCTION DECLINE
1.74	0.247	0.70	5 000	29	0.905	0.60	799.7	1968	1989	PRODUCTION DECLINE
6.10	0.190	0.70	4 710	36	0.913	0.63	802.9	1976	1983	PRODUCTION DECLINE
								1968	1983	TCPL
7.20	0.151	0.70	4 990	37	0.916	0.60	814.2	1967	1990	TCPL WESTGAS CNRL
8.92	0.170	0.80	4 520	32	0.921	0.59	763.0	1976	1993	ATCOR TCPL HUSKY ESSO CNRL NORCEN

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
BIGORAY 051-08W5									
GLAUCONITIC I	1 815	0.65	0.06	1 109	244	865	39	33 943	3 800
PEKISKO A ASSOC	1 971	0.75	0.10	1 330 ^b			40		5 047
PEKISKO A SOLN	335	0.60	0.10	181 ^b			40		
PEKISKO A TOTAL	2 306	0.75	0.10	1 511 ^b	1 367 ^b	144	40	5 715	
NISKU F SOLN	457	0.76	0.10	312 ^b			39		
NISKU F ASSOC		0.85	0.10		-226 ^b	538	39	21 047	
OTHER	5 217			2 896	430	2 466		96 977	
TOTAL-BIGORAY	9 795			5 828	1 815	4 013		157 682	
BIGSTONE 061-22W5									
DUNVEGAN A	5 901	0.65	0.05	3 644	1 430	2 214	40	89 379	6 065
D-3 A	13 665	0.46	0.30	4 400	4 345	55	37	2 015	2 460
D-3 B	794	0.70	0.20	445		445	37	16 376	200
OTHER	1 839			1 240	62	1 178		45 695	
TOTAL-BIGSTONE	22 199			9 729	5 837	3 892		153 465	
BILAWCHUK 080-09W6									
TOTAL-BILAWCHUK	583			414		414		16 004	
BILBO 065-08W6									
FALHER A	547	0.90	0.15	418	178	240	40	9 499	250
OTHER	3 036			2 050	139	1 911		73 941	
TOTAL-BILBO	3 583			2 468	317	2 151		83 440	
BINDLOSS 022-05W4									
MILK RIVER A	1 519	0.70	0.05	1 010			36		22 607
MEDICINE HAT A	549	0.70	0.03	372			36		22 725
MEDICINE HAT D	6	0.50	0.03	3			36		380
SE ALTA GAS SYS (MU) TOTAL	2 074	0.70	0.05	1 385	385	1 000	36	36 470	
VIKING A	10 774	0.90	0.01	9 600	8 489	1 111	36	40 440	18 120
OTHER	1 392			958	208	750		27 054	
TOTAL-BINDLOSS	14 240			11 943	9 082	2 861		103 964	
BIRCH 050-11W4									
CAMROSE B	896	0.90	0.05	766	626	140	37	5 223	4 603
OTHER	3 578			2 400	1 167	1 233		45 837	
TOTAL-BIRCH	4 474			3 166	1 793	1 373		51 060	
BISON LAKE 095-15W5									
TOTAL-BISON LAKE	196			124		124		4 587	
BISTCHO 122-04W6									
TOTAL-BISTCHO	193			131		131		4 813	
BITTERN LAKE 046-22W4									
GLAUCONITIC A	1 268	0.80	0.05	963	726	237	37	8 669	1 313
ELLERSLIE D	771	0.80	0.10	555	93	462	39	17 810	1 399
OTHER	4 104			2 613	740	1 873		70 196	
TOTAL-BITTERN LAKE	6 143			4 131	1 559	2 572		96 675	
BLACK 110-09W6									
TOTAL-BLACK	1 616			746	101	645		24 534	
BLACK BUTTE 001-08W4									
BASAL COLORADO A	323	0.80	0.05	245			37		1 031
BASAL COLORADO B	300	0.85	0.05	242			37		838
BASAL COLORADO A&B TOTAL	623	0.80	0.05	487	404	83	37	3 083	
SUNBURST-SWIFT A	469	0.80	0.04	360	333	27	38	1 027	824
SAWTOOTH A	900	0.82	0.10	664	607	57	37	2 129	1 660
RUNDLE A	1 105	0.80	0.10	796	466	330	37	12 286	1 230
OTHER	610			418	240	178		6 639	
TOTAL-BLACK BUTTE	3 707			2 725	2 050	675		25 164	
BLACK DIAMOND 020-02W5									
TOTAL-BLACK DIAMOND	300			41	41				
BLACKFOOT 022-23W4									
MEDICINE HAT A	877	0.70	0.03	596			36		14 969
SE ALTA GAS SYS(MU) TOTAL	877	0.70	0.05	596	53	543	36	19 803	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
5.10 5.27	0.121 0.073	0.55 0.65	13 510 15 370	58 63	0.825 0.833	0.66 0.67 0.67	1 837.3 1 886.2	1958 1962 1962 1962 1977 1977	1993 1990 1990 1990 1992 1992	PART OF GLAUC POOL NO.5 CONCURRENT PRODUCTION CONCURRENT PRODUCTION CONCURRENT PRODUCTION NCMI POCO CONCURRENT PRODUCTION GPP GPP
5.41 18.55	0.153 0.090	0.65 0.85	18 240 32 650	73 116	0.829 0.973	0.69 0.71	1 981.4 3 377.6	1959 1960	1993 1991	ENCOR AMOCO WESTGAS PRODUCTION DECLINE PREV GAS CYCLING, BLOWDOWN
18.00	0.120	0.85	28 250	115	0.957	0.67	3 469.0	1986	1993	
7.60	0.120	0.85	35 410	83	1.003	0.64	2 552.0	1982	1993	ESSD CHEL DEEP CUT SL
4.98	0.154	0.55	3 140	16	0.937	0.56	331.1	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
0.56 0.40	0.170 0.139	0.55 0.60	4 310 4 450	17 19	0.916 0.916	0.56 0.56	430.3 490.8	1904 1973 1904	1987 1987 1983	PART OF MED HAT POOL NO.1 PART OF MED HAT POOL NO.4 TCPL NCMI PANALTA RENENER AMERADA NORCEN POCO CRESTAR TCPL MATERIAL BALANCE
3.43	0.302	0.60	6 830	27	0.881	0.59	674.9	1952	1984	
3.06	0.131	0.60	4 760	27	0.914	0.57	716.2	1961	1987	TCPL MATERIAL BALANCE
8.82 4.31	0.211 0.181	0.80 0.80	9 130 8 730	38 50	0.858 0.870	0.63 0.66	1 223.5 1 221.6	1956 1975	1989 1992	NRTHSTR NCMI PANALTA PRODUCTION DECLINE ATCOR SASKOIL CWNGNUL NCMI
3.88 3.21	0.191 0.236	0.55 0.60	6 300 6 430	24 20	0.885 0.876	0.58 0.57	775.3 792.3	1944 1944 1944	1987 1987 1987	PRODUCTION DECLINE PRODUCTION DECLINE SUNCOR CMG
5.77 2.58 5.98	0.190 0.150 0.100	0.70 0.70 0.80	7 100 8 100 8 260	30 33 33	0.848 0.871 0.867	0.65 0.60 0.62	900.8 990.8 997.0	1944 1944 1944	1984 1981 1979	CMG PRODUCTION DECLINE SUNCOR CMG PRODUCTION DECLINE SUNCOR CMG CRESTAR MATERIAL BALANCE
1.39	0.166	0.55	4 310	17	0.916	0.56	922.3	1904 1904	1991 1988	PART OF MED HAT POOL NO.1 PROGAS PANCDN

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
BLACKFOOT 022-23W4 (CONTINUED)									
OTHER	450			291	209	82		3 072	
TOTAL-BLACKFOOT	1 327			887	262	625		22 875	
BLACKSTONE 045-16W5									
CARD SD 26-044-16	435	0.85	0.05	352		352	39	13 584	200
BEAVERHILL LAKE A	33 334	0.80	0.25	20 000	4 971	15 029	37	559 680	4 618
OTHER	382			247		247		10 198	
TOTAL-BLACKSTONE	34 151			20 599	4 971	15 628		583 462	
BLANSKY (SA) 001-02W4									
TOTAL-BLANSKY	64			48		48		1 749	
BLOOD 006-22W4									
BOW ISLAND A	1 020	0.80	0.05	775	658	117	36	4 265	2 499
OTHER	492			291	117	174		6 251	
TOTAL-BLOOD	1 512			1 066	775	291		10 516	
BLUEBERRY 082-07W6									
BELL 16-082-07	451	0.90	0.10	365		365	39	14 122	200
KISKATINAW A	1 139	0.80	0.10	820	648	172	38	6 548	200
OTHER	513			345	23	322		12 339	
TOTAL-BLUEBERRY	2 103			1 530	671	859		33 009	
BLUERIDGE 059-10W5									
JURASSIC B	2 632	0.76	0.10	1 800	1 587	213	40	8 414	3 943
JURASSIC F	748	0.60	0.10	404	331	73	39	2 832	400
NORD 36-059-10	512	0.85	0.10	392		392	38	14 939	400
PEKISKO A SOLN	5	0.60	0.10	3 ^b			38		
PEKISKO A ASSOC	1 076	0.90	0.10	871 ^b	480 ^b	394	38	15 122	1 637
OTHER	903			585	123	462		17 967	
TOTAL-BLUERIDGE	5 876			4 055	2 521	1 534		59 274	
BOGGY LAKE (SA) 030-06W5									
TOTAL-BOGGY LAKE	53			36		36		1 377	
BOLLOQUE 064-26W4									
LOWER MANNVILLE A	894	0.75	0.05	637	625	12	38	454	2 631
LOWER MANNVILLE B	558	0.80	0.05	424	145	279	38	10 516	1 161
OTHER	3 312			2 090	843	1 247		46 542	
TOTAL-BOLLOQUE	4 764			3 151	1 613	1 538		57 512	
BOLTAN (SA) 060-02W6									
TOTAL-BOLTAN	184			126		126		5 078	
BONANZA 081-12W6									
HALFWAY A	447	0.85	0.15	323	142	181	39	6 983	1 222
KISKATINAW A	528	0.90	0.10	428	225	203	39	7 919	200
KISKATINAW C	1 046	0.90	0.05	894	224	670	38	25 708	200
KISKATINAW D	676	0.85	0.10	518	292	226	38	8 565	200
OTHER	1 858			1 102	44	1 058		38 607	
TOTAL-BONANZA	4 555			3 265	927	2 338		87 782	
BONDISS 064-15W4									
TOTAL-BONDISS	163			107	83	24		892	
BONNIE GLEN 047-27W4									
GLAUCONITIC A	1 829	0.70	0.10	1 152	970	182	39	7 165	3 925
D-3 A SOLN	17 625	0.80	0.35	9 165 ^b			41		
D-3 A ASSOC	13 303	0.90	0.25	8 980 ^b	6 875 ^b	11 270	41	460 492	1 260
OTHER	1 557			1 026	403	623		24 765	
TOTAL-BONNIE GLEN	34 314			20 323	8 248	12 075		492 422	
BONNYVILLE 060-05W4									
GRAND RAPIDS C	633	0.75	0.05	451	385	66	37	2 465	1 729
OTHER	438			271	230	41		1 512	
TOTAL-BONNYVILLE	1 071			722	615	107		3 977	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
16.50 24.04	0.123 0.099	0.55 0.90	21 740 45 370	81 140	0.896 1.103	0.63 0.72	2 777.8 4 748.4	1979 1979	1980 1991	EMI CNG HUSKY HOME AMOCO MATERIAL BALANCE
9.47	0.140	0.60	3 400	32	0.936	0.63	1 019.1	1978	1989	PANALTA MATERIAL BALANCE
10.49 9.87	0.200 0.130	0.75 0.70	14 480 15 380	63 64	0.855 0.846	0.61 0.65	1 444.5 1 582.0	1973 1973	1977 1989	TCPL BER TCPL MATERIAL BALANCE
4.11 9.80 5.25	0.191 0.179 0.298	0.65 0.55 0.70	12 450 10 490 11 830	65 66 63	0.853 0.867 0.857	0.65 0.65 0.64	1 719.7 1 646.0 1 485.3	1967 1970 1988	1989 1990 1991	TCPL INVRNS PRODUCTION DECLINE TCPL MATERIAL BALANCE CANST CRESTAR
6.79	0.120	0.65	12 550	64	0.853	0.65	1 731.4	1967 1967	1992 1992	TCPL CONCURRENT PRODUCTION, OIL DEPLETED TCPL CONCURRENT PRODUCTION, OIL DEPLETED
3.20 3.77	0.228 0.289	0.65 0.80	5 450 5 380	29 33	0.900 0.907	0.58 0.58	868.6 863.9	1965 1973	1992 1980	TCPL RENENER MATERIAL BALANCE TCPL TRWENR
2.45 12.10 24.70 11.38	0.122 0.140 0.140 0.110	0.75 0.85 0.85 0.85	14 520 19 330 19 250 17 690	60 75 75 73	0.760 0.862 0.884 0.863	0.83 0.66 0.61 0.66	1 482.7 2 103.7 2 123.2 2 104.6	1973 1991 1989 1990	1984 1991 1991 1993	PANALTA TALISMA NOVER SUNCOR NOVER SUNCOR PRODUCTION DECLINE TOP/BASE TVD
6.36	0.133	0.50	11 940	64	0.842	0.68	1 564.5	1954	1992	ESSO DIRECT POCO KANNGAZ PANALTA SCEPTRE BVI WESTGAS ATCOR INVRNS NOVER PART OF GLAUC POOL NO.3 PRODUCTION DECLINE
65.53	0.101	0.95	16 820	80	0.807	0.79 0.79	2 044.9	1952 1952	1991 1991	ESSO CONC PROD, GAS CYC, DEEP CUT SL ESSO CONC PROD, GAS CYC, DEEP CUT SL
1.57	0.285	0.75	2 430	29	0.957	0.57	316.1	1949	1992	HOME TRWENR MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
BORDER 042-05W4 TOTAL-BORDER	65			40		40		1 421	
BORRADAILE 051-05W4 TOTAL-BORRADAILE	67			44		44		1 613	
BOTHA 098-05W6 DEBOLT A OTHER TOTAL-BOTHA	446 207 653	0.85	0.05	360 135 495		360 135 495	37	13 176 5 005 18 181	3 771
BOTTREL 027-05W5 TOTAL-BOTTREL	436			301	1	300		12 322	
BOUCHER 079-04W6 TOTAL-BOUCHER	159			108		108		4 130	
BOUNDARY LAKE SOUTH 084-12W6 TRIASSIC N SOLN TRIASSIC N ASSOC TRIASSIC E ASSOC TRIASSIC E SOLN TRIASSIC E ASSOC TRIASSIC E ASSOC TRIASSIC E TOTAL TRIASSIC O KISKATINAW E KISKATINAW H KISKATINAW J	430 151 193 1 289 94 29 1 605 672 1 111 1 169 522	0.65 0.75 0.75 0.45 0.75 0.80 0.50 0.75 0.90 0.95 0.85	0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.05 0.10 0.05	252 ^b 102 ^b 131 ^b 522 ^b 64 ^b 21 ^b 738 ^b 454 950 1 000 422		179 ^b 175 40 40 40 40 519 ^b 436 909 892 305	39 39 40 40 40 40 219 18 41 108 117		352 473 191 100
KISKATINAW B KISKATINAW G KISKATINAW B & G TOTAL OTHER TOTAL-BOUNDARY LAKE SOUTH	521 4 349 10 530	0.75 0.80 0.80 0.80	0.05 0.05 0.05	396 2 842 7 156	396 615 4 251	< 1 2 227 2 905	38 38 38	- 85 769 112 226	200 200
BOUVIER 070-24W4 TOTAL-BOUVIER	887			518	177	341		12 783	
BOVINE (SA) 079-19W4 TOTAL-BOVINE	16			8		8		298	
BOW ISLAND 011-11W4 MILK RIVER A MEDICINE HAT C SECOND WHITE SPECKS A SECOND WHITE SPECKS C SE ALTA GAS SYS (MU) TOTAL BOW ISLAND OTHER TOTAL-BOW ISLAND	101 24 1 165 9 1 299 2 667 811 4 777	0.70 0.50 0.75 0.80 0.75 0.75 0.75	0.05 0.03 0.05 0.05 0.05 0.05	67 12 830 7 916 1 900 580 3 396		5 911 112	36 36 36 36 38		2 112 935 17 119 200 39 323
BOYER 103-22W5 BLUESKY B BLUESKY A GETHING A BLUESKY A & GETHING A TOTAL OTHER TOTAL-BOYER	847 18 842 233 19 075 945 20 867	0.50 0.50 0.50 0.50	0.05 0.05 0.05 0.05	403 8 950 111 9 061 522 9 986	224 200 5 198	179 322 4 788	36 37 38 37	6 415 11 978 178 470	12 668 130 482 3 644
BRANCH (SA) 002-20W4 TOTAL-BRANCH	7			4		4		131	
BRANT 018-25W4 TOTAL-BRANT	490			251	192	59		2 133	
BRAZEAU RIVER 045-13W5 CARDIUM C SOLN CARDIUM K SOLN LOWER MANNVILLE E LOWER MANNVILLE G	1 154 577 837 176	0.65 0.65 0.85 0.80	0.15 0.10 0.15 0.15	638 338 604 120	390 287	248 51	41 41 42 42	10 230 2 102	1 080 150

[illegible]

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
4.21	0.132	0.60	30 900	93	0.927	0.85	3 096.9	1975	1989	ESSO TCPL
12.50	0.100	0.90	27 380	95	0.887	0.85	3 162.9	1973	1989	PCI CWNGNUL CONOCO DEEP CUT SL
7.50	0.150	0.90	32 660	94	0.951	0.85	3 139.0	1989	1991	CONOCO DEEP CUT SL
28.60	0.050	0.90	20 630	113	0.898	0.73	2 742.0	1978	1990	
5.62	0.095	0.85	26 580	99	0.939	0.68	2 942.6	1979	1982	
3.85	0.070	0.85	26 580	99	0.942	0.67	2 925.7	1965	1985	MATERIAL BALANCE
2.62	0.050	0.80	26 580	99	0.943	0.67	2 905.5	1965	1986	MATERIAL BALANCE
1.24	0.050	0.90	26 580	99	0.943	0.67	2 807.6	1965	1965	MATERIAL BALANCE ASSIGNED WELL
										10-02-045-12W5M
										MATERIAL BALANCE ASSIGNED WELL
										11-28-044-11W5M
										HOME TCPL PROGAS
3.91	0.100	0.80	26 800	95	0.940	0.67	3 021.8	1965	1984	MATERIAL BALANCE
2.72	0.076	0.75	26 800	95	0.937	0.69	2 951.1	1959	1985	MATERIAL BALANCE
1.51	0.044	0.75	26 800	95	0.937	0.69	3 057.1	1959	1989	MATERIAL BALANCE
0.53	0.064	0.60	26 800	95	0.938	0.68	2 854.0	1959	1989	MATERIAL BALANCE
1.44	0.074	0.75	26 800	95	0.937	0.68	2 878.6	1959	1985	MATERIAL BALANCE
0.30	0.030	0.80	26 800	95	0.939	0.68	3 150.3	1959	1985	MATERIAL BALANCE
1.20	0.050	0.75	29 110	92	0.954	0.68	3 044.4	1959	1990	MATERIAL BALANCE ASSIGNED WELL
										11-11-046-14W5M
0.80	0.059	0.70	26 800	95	0.939	0.68	3 184.2	1959	1990	MATERIAL BALANCE ASSIGNED WELL
0.70	0.040	0.60	26 800	95	0.939	0.68	2 869.7	1959	1990	MATERIAL BALANCE ASSIGNED WELL
										10-20-045-13W5M
4.00	0.060	0.65	26 800	95	0.939	0.68	3 140.8	1959	1990	MATERIAL BALANCE
0.90	0.080	0.75	26 800	95	0.939	0.68	2 669.0	1959	1990	MATERIAL BALANCE ASSIGNED WELL
										06-06-045-13W5M
0.69	0.065	0.80	26 800	95	0.939	0.68	2 808.8	1959	1985	MATERIAL BALANCE
1.30	0.060	0.80	26 800	95	0.939	0.68	3 154.7	1959	1990	MATERIAL BALANCE ASSIGNED WELL
1.00	0.060	0.80	26 800	95	0.939	0.68	3 079.8	1959	1990	MATERIAL BALANCE ASSIGNED WELL
										10-06-046-13W5M
2.00	0.050	0.80	26 800	95	0.939	0.68	3 106.9	1959	1990	MATERIAL BALANCE ASSIGNED WELL
2.46	0.050	0.85	26 800	95	0.939	0.68	3 284.2	1959	1990	MATERIAL BALANCE ASSIGNED WELL
										11-08-047-13W5M
1.30	0.065	0.75	26 800	95	0.939	0.68	2 636.4	1959	1990	MATERIAL BALANCE ASSIGNED WELL
										07-13-047-15W5M
1.95	0.078	0.75	26 800	95	0.937	0.68	3 062.5	1959	1990	MATERIAL BALANCE ASSIGNED WELL
										05-33-047-12W5M
										MATERIAL BALANCE
										HOME ESSO TCPL PCI PROGAS GARDNER
						0.75		1959	1985	PCI PROGAS LEAN GAS BREAKTHRU, GPP, DP CUT
								1977	1988	SL
						0.75		1977	1988	PCI PROGAS LEAN GAS BREAKTHRU, GPP, DP CUT
										SL
						0.75		1978	1988	ESSO PCI LEAN GAS BREAKTHRU, GPP
								1978	1988	ESSO PCI LEAN GAS BREAKTHRU, GPP
28.61	0.096	0.90	46 300	107	1.203	1.19	3 355.1	1978	1988	TCPL AMOCO ESSO PCI MATERIAL BALANCE GAS
										CYCLING
21.80	0.124	0.90	38 390	108	1.053	1.21	3 361.5	1979	1984	AMOCO TCPL PREV GAS CYCLING
26.07	0.054	0.85	70 730	117	1.678	0.70	3 844.4	1978	1991	TCPL PCI AMOCO GAS CYCLING
31.50	0.100	0.85	50 590	104	1.259	0.79	3 271.8	1979	1987	PCI GAS CYCLING
15.00	0.083	0.85	38 760	98	1.001	0.72	3 705.0	1979	1987	PCI GAS CYCLING
15.66	0.062	0.85	35 780	99	0.935	1.20	3 117.2	1977	1991	CNG HUSKY MATERIAL BALANCE
24.30	0.102	0.90	37 880	110	1.035	1.08	3 752.6	1977	1992	AMOCO ESSO TCPL PCI GAS CYCLING
18.34	0.104	0.90	37 050	113	0.943	1.06	3 718.1	1979	1989	AMOCO TCPL PROGAS GAS CYCLING
24.80	0.070	0.85	54 510	114	1.211	0.92	3 669.8	1987	1990	AMOCO ESSO TCPL GAS CYCLING, TOP/BASE TVD
								1980	1989	PCI PANALTA ALTROAN

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
BRITTS (SA) 096-17W5 TOTAL-BRITTS	16			10		10		375	
BRONSON 057-17W5 TOTAL-BRONSON	561			383		383		14 912	
BROOKS 018-14W4 MILK RIVER A	444	0.70	0.05	295			37		3 498
MEDICINE HAT A	64	0.70	0.03	44			36		2 313
MEDICINE HAT C	54	0.50	0.03	26			36		1 487
MEDICINE HAT D	8	0.50	0.03	4			36		344
SE ALTA GAS SYS (MU) TOTAL	570	0.70	0.05	369	351	18	37	665	
TOTAL-BROOKS	570			369	351	18		665	
BROWN CREEK (SA) 044-17W5 TV 044-17 OTHER TOTAL-BROWN CREEK	398 240 638	0.85	0.05	321 162 483		321 162 483	38	12 208 6 323 18 531	890
BROWVALE 081-26W5 TOTAL-BROWVALE	142			87		87		3 221	
BROXBURN 009-21W4 TOTAL-BROXBURN	46			26	26				
BRUCE 047-16W4 BELLY RIVER J	654	0.85	0.05	528	498	30	37	1 109	3 593
UPPER VIKING A		0.75	0.03				36		97 801
MIDDLE VIKING A		0.75	0.03				37		8 378
MIDDLE VIKING B	385	0.55	0.03	206			36		15 454
UPPER VIKING F		0.60	0.05				38		200
UPPER MANNVILLE Z	337	0.65	0.05	208			38		670
U VIK A&F & M VIK A&B TOTAL	5 375	0.75	0.05	3 910	2 797	1 113	37	41 226	
UPPER MANNVILLE ZZZ	455	0.70	0.05	303	246	57	37	2 087	490
UPPER MANNVILLE A2A	523	0.65	0.05	323	312	11	38	413	656
OTHER	11 159			7 189	3 142	4 047		150 366	
TOTAL-BRUCE	18 166			12 253	6 995	5 258		195 201	
BUFFALO LAKE 039-21W4 TOTAL-BUFFALO LAKE	641			307	85	222		8 734	
BUICK 090-02W6 TOTAL-BUICK	76			50		50		1 846	
BURDETT 009-10W4 TOTAL-BURDETT	175			124	8	116		4 293	
BURNT TIMBER 031-09W5 RUNDLE A RUNDLE B RUNDLE A & B TOTAL WABAMUN A TOTAL-BURNT TIMBER	19 531 2 484 22 015 4 720 26 735	0.80 0.80 0.80 0.75	0.20 0.20 0.20 0.50	12 500 1 590 14 090 1 770 15 860			39 39 39 38		4 454 2 204 154 203 17 969 172 172
BYEMOOR 034-19W4 TOTAL-BYEMOOR	328			209	47	162		6 024	
CACHE 058-12W4 VIKING A	1 529	0.40	0.05	581	38	543	37	20 140	32 584
COLONY D	646	0.80	0.05	491	191	300	38	11 265	2 132
COLONY G	471	0.80	0.05	358	311	47	37	1 761	593
COLONY P	415	0.80	0.05	315	109	206	37	7 632	1 081
COLONY OO	394	0.82	0.05	307	304	3	37	112	946
COLONY B		0.75	0.05				35		1 530
COLONY C		0.75	0.05				35		1 221
COLONY S		0.75	0.05				38		200

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
4.58	0.154	0.55	3 140	16	0.935	0.57	369.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
0.64	0.170	0.55	4 310	17	0.916	0.56	460.7	1904	1989	PART OF MED HAT POOL NO.1
0.92	0.139	0.60	4 450	19	0.916	0.56	484.4	1973	1987	PART OF MED HAT POOL NO.3
0.59	0.139	0.60	4 450	19	0.916	0.56	497.8	1973	1987	PART OF MED HAT POOL NO.4
								1904	1987	TCPL CWNGNUL PANALTA CANST PANCDN
4.15	0.057	0.80	30 800	101	0.990	0.61	3 364.5	1960	1989	GULF PROGAS ENCOR BER
3.15	0.285	0.60	2 740	20	0.947	0.56	371.3	1970	1990	TCPL KANNGAZ HOME POCC PART OF BR POOL NO.2 PRODUCTION DECLINE
1.23	0.204	0.65	5 650	26	0.895	0.61	793.3	1917	1989	PART OF VIK POOL NO.2 MATERIAL BALANCE
2.19	0.201	0.65	5 650	26	0.895	0.59	813.7	1917	1985	PART OF VIK POOL NO.2 MATERIAL BALANCE
1.15	0.220	0.50	5 650	27	0.899	0.60	745.9	1952	1985	PART OF VIK POOL NO.2 PRODUCTION DECLINE
1.24	0.230	0.55	3 960	25	0.921	0.59	735.5	1976	1976	PART OF VIK POOL NO.2 MATERIAL BALANCE
2.43	0.258	0.75	6 070	27	0.887	0.59	873.4	1975	1988	PART OF VIK POOL NO.2 PRODUCTION DECLINE
								1917	1988	NRTHSTR TCPL KANNGAZ CWNGNUL NCMI PANALTA
1.44	0.241	0.65	6 170	29	0.891	0.60	884.4	1977	1986	PROGAS BVI ESSO HOME CNRL AMERADA NORCEN
3.54	0.266	0.75	6 140	28	0.889	0.58	873.1	1976	1987	POCC PART OF VIK POOL NO.2
										TCPL HOME MATERIAL BALANCE
										TCPL HOME POCC PRODUCTION DECLINE
31.61	0.067	0.90	26 610	94	0.916	0.72	3 210.9	1959	1990	TOP/BASE TVD
9.27	0.069	0.80	25 860	100	0.895	0.76	3 339.5	1959	1988	TOP/BASE TVD
13.39	0.055	0.80	31 720	116	0.867	0.88	3 748.7	1959	1988	TCPL MU REPORTING CLAUSE W/WABAMUN A
								1976	1989	TCPL MATERIAL BALANCE TP/BS TVD, MU RPT CLAUSE W/ RUND A&B
0.83	0.245	0.55	4 000	21	0.922	0.57	443.9	1949	1991	SASKEN TCPL HUSKY NCMI PANALTA SCEPTRE BVI
5.12	0.259	0.60	3 650	21	0.927	0.57	478.7	1952	1977	ATCOR NORCEN POCC PART OF VIK POOL NO.6
2.99	0.280	0.70	3 390	22	0.934	0.57	499.4	1965	1985	SASKEN TCPL CWNGNUL HUSKY PANALTA SLUSH OIL
4.86	0.286	0.75	3 520	19	0.932	0.56	498.3	1977	1981	SASKEN TCPL MATERIAL BALANCE
3.12	0.335	0.80	3 550	22	0.932	0.56	474.1	1970	1992	SASKEN TCPL NCMI PANALTA ATCOR SCEPTRE
1.30	0.277	0.70	3 790	19	0.928	0.59	484.1	1971	1989	SASKEN PANALTA MATERIAL BALANCE
1.62	0.298	0.65	3 850	21	0.929	0.59	488.5	1971	1989	MATERIAL BALANCE
1.82	0.250	0.60	3 910	18	0.921	0.56	489.8	1971	1989	MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
CACHE 058-12W4 (CONTINUED)									
COLONY B.C & S TOTAL	541	0.75	0.05	386	376	10	36	359	745
COLONY BB		0.65	0.05				38		1 262
COLONY EE		0.70	0.05				38		2 608
COLONY HH		0.80	0.05				38		
COLONY BB, EE & HH TOTAL	566	0.75	0.05	409	368	41	38	1 553	880
COLONY DD		0.75	0.05				37		750
COLONY FF		0.75	0.05				38		
COLONY DD & FF TOTAL	486	0.75	0.05	346	323	23	38	865	
COLONY E	329	0.75	0.05	235			38		2 744
COLONY RR	9	0.70	0.05	6			38		150
COLONY F	103	0.70	0.05	68			37		903
COLONY E, F & RR TOTAL	441	0.75	0.05	309	166	143	38	5 364	
CLEARWATER B	1 171	0.70	0.05	779	766	13	37	482	3 843
OTHER	4 896			3 229	1 739	1 490		55 623	
TOTAL-CACHE	11 556			7 510	4 691	2 819		105 156	
CADOTTE 086-19W5									
TOTAL-CADOTTE	763			504	197	307		11 477	
CALAIS 070-25W5									
TOTAL-CALAIS	411			259	63	196		7 125	
CALLING LAKE 071-18W4									
MCMURRAY A	214	0.55	0.05	112			37		3 075
D-2 A	523	0.75	0.05	372			37		1 763
MCMURRAY A & D-2 A TOTAL	737	0.70	0.05	484	140	344	37	12 745	
D-2 B	3 158	0.67	0.05	2 010	1 837	173	37	6 385	6 580
D-2 C	610	0.80	0.05	464	64	400	37	14 732	3 867
D-2 D	489	0.70	0.05	325	47	278	37	10 200	1 487
OTHER	705			435	64	371		13 645	
TOTAL-CALLING LAKE	5 699			3 718	2 152	1 566		57 707	
CALLING LAKE SOUTH 070-22W4									
TOTAL-CALLING LAKE SOUTH	586			365	71	294		10 896	
CALLING LAKE WEST 071-20W4									
UPPER MANNVILLE A	501	0.70	0.05	333			38		3 557
UPPER MANNVILLE C	42	0.50	0.05	20			38		1 573
UPPER MANNVILLE A & C TOTAL	543	0.70	0.05	353	315	38	38	1 427	
OTHER	1 181			741	323	418		15 452	
TOTAL-CALLING LAKE WEST	1 724			1 094	638	456		16 879	
CAMPBELL-NAMAD 054-25W4									
BLAIRMORE E SOLN	120	0.65	0.10	70b			38		
BLAIRMORE E ASSOC	848	0.90	0.10	687b	491b	266	38	10 220	704
BLAIRMORE F SOLN	162	0.65	0.15	89b			38		
BLAIRMORE F ASSOC	653	0.85	0.10	500b	310b	279	38	10 725	390
BLAIRMORE A ASSOC		0.80	0.10				38		161
BLAIRMORE A SOLN	117	0.65	0.10	68b			38		335
BLAIRMORE A ASSOC		0.80	0.10				39		49
BLAIRMORE A ASSOC		0.80	0.10				39		207
BLAIRMORE A ASSOC		0.80	0.10				39		80
BLAIRMORE A ASSOC		0.80	0.10				36		50
BLAIRMORE A ASSOC		0.80	0.10				36		79
BLAIRMORE A ASSOC		0.80	0.10				38		36
BLAIRMORE A ASSOC		0.80	0.10				38		34
BLAIRMORE A ASSOC		0.80	0.10				36		52
BLAIRMORE A TOTAL	1 312	0.80	0.10	928b	732b	196	38	7 432	396
BLAIRMORE J ASSOC		0.65	0.10				38		
BLAIRMORE J SOLN	48	0.65	0.25	23b			38		
BLAIRMORE J ASSOC		0.65	0.10				38		64
BLAIRMORE J TOTAL	770	0.65	0.10	445b	437b	8	38	304	
OTHER	826			520	190	330		12 625	
TOTAL-CAMPBELL-NAMAD	4 691			3 239	2 160	1 079		41 306	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
1.46	0.272	0.70	3 320	21	0.935	0.57	480.4	1971	1989	TCPL PANALTA
1.33	0.269	0.60	3 920	21	0.920	0.58	486.3	1977	1993	PRODUCTION DECLINE
1.66	0.292	0.65	3 800	21	0.923	0.58	481.3	1973	1993	PRODUCTION DECLINE
								1971	1993	PRODUCTION DECLINE
1.33	0.290	0.60	4 220	21	0.918	0.57	483.0	1958	1985	SASKEN TCPL PANALTA
1.42	0.295	0.70	4 270	21	0.913	0.58	477.0	1958	1981	MATERIAL BALANCE
								1958	1982	MATERIAL BALANCE
								1958	1982	SASKEN AMOCO
1.54	0.305	0.70	3 510	21	0.931	0.57	492.6	1973	1986	
1.50	0.230	0.50	3 370	27	0.938	0.57	509.6	1978	1986	
1.75	0.272	0.65	3 570	22	0.932	0.56	484.2	1973	1986	
								1973	1986	
2.33	0.313	0.65	3 850	21	0.927	0.56	573.1	1973	1993	SASKEN PANALTA
										PRODUCTION DECLINE
2.39	0.202	0.60	2 400	24	0.955	0.56	460.6	1964	1992	
12.30	0.149	0.65	2 450	21	0.951	0.58	475.5	1964	1991	
								1964	1991	
9.34	0.115	0.70	2 450	19	0.951	0.57	466.0	1964	1990	SUNCOR
7.77	0.120	0.65	2 520	17	0.949	0.57	473.2	1978	1986	HOME SUNCOR MATERIAL BALANCE
13.55	0.165	0.65	2 230	20	0.956	0.58	485.0	1988	1991	ATCOR TCPL PANALTA CNRL CANST SUNCOR
										KANNGAZ SUNCOR
2.75	0.314	0.55	2 880	20	0.943	0.57	425.5	1970	1991	
0.80	0.277	0.55	2 130	18	0.957	0.57	309.2	1970	1991	
								1970	1991	ATCOR PANALTA
9.11	0.192	0.80	8 380	46	0.868	0.65	1 103.9	1951	1982	WESTGAS GPP
						0.65		1951	1982	WESTGAS GPP
						0.65		1966	1993	CNWE WESTGAS PRODUCTION DECLINE CONCURRENT
6.15	0.205	0.70	7 620	46	0.878	0.65	1 108.4	1966	1993	PRODUCTION
										CNWE WESTGAS PRODUCTION DECLINE CONCURRENT
1.67	0.185	0.60	8 200	38	0.844	0.66	1 116.7	1949	1985	PRODUCTION
						0.66		1949	1985	PRODUCTION DECLINE CONCURRENT PRODUCTION
1.65	0.150	0.50	8 200	38	0.844	0.66	1 120.4	1949	1986	PRODUCTION DECLINE
2.86	0.200	0.50	8 020	36	0.816	0.70	1 128.2	1949	1986	PRODUCTION DECLINE
3.41	0.200	0.50	7 350	36	0.829	0.70	1 128.6	1949	1986	PRODUCTION DECLINE
2.06	0.203	0.55	8 020	36	0.816	0.70	1 125.3	1949	1986	PRODUCTION DECLINE
1.46	0.200	0.50	7 060	36	0.867	0.67	1 131.9	1949	1986	PRODUCTION DECLINE
1.09	0.200	0.50	8 370	37	0.849	0.67	1 132.4	1949	1986	PRODUCTION DECLINE
1.81	0.190	0.50	8 370	37	0.840	0.66	1 137.0	1949	1986	PRODUCTION DECLINE
1.76	0.190	0.50	8 370	37	0.840	0.66	1 137.1	1949	1986	PRODUCTION DECLINE
2.29	0.200	0.55	8 370	37	0.849	0.67	1 131.2	1949	1988	PRODUCTION DECLINE
								1949	1986	NORCEN CONCURRENT PRODUCTION
5.37	0.225	0.60	7 950	36	0.865	0.64	1 135.6	1976	1988	PRODUCTION DECLINE CONCURRENT PRODUCTION,
										TOP/BASE TVD
						0.64		1976	1988	PRODUCTION DECLINE CONCURRENT PRODUCTION,
										TOP/BASE TVD
4.00	0.220	0.70	7 970	36	0.865	0.64	1 137.7	1976	1988	PRODUCTION DECLINE ASSIGNED WELL
										05-12-054-25W4M
								1976	1993	CNWE CONCURRENT PRODUCTION

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
CANAL 070-23W4 WABAMUN B OTHER TOTAL-CANAL	445 316 761	0.85	0.05	359 198 557	105 20 125	254 178 432	37	9 383 6 639 16 022	1 571
CANARD 057-09W4 TOTAL-CANARD	1 907			1 199	604	595		22 170	
CAPRON 026-02W4 TOTAL-CAPRON	1 058			705	105	600		22 672	
CARBON 029-22W4 BELLY RIVER C BELLY RIVER J BELLY RIVER C & J TOTAL BELLY RIVER K VIKING D BELLY R K & VIKING D TOTAL	382 63 445 71 2 013 2 084	0.80 0.55 0.75 0.65 0.79 0.80	0.05 0.05 0.05 0.05 0.10 0.10	291 33 324 44 1 431 1 475		157 167 36 39 78	36 36 36 37 39 39		1 489 493 6 035 250 7 108 3 069
GLAUCONITIC GLAUCONITIC GLAUCONITIC TOTAL		0.80 0.80 0.80	0.01 0.01 0.05				39 39 39		6 465 5 564
GLAUCONITIC J ASSOC		0.70	0.10				39		274
GLAUCONITIC J SOLN	20	0.65	0.10	12 ^b			39		
GLAUCONITIC J ASSOC GLAUCONITIC J TOTAL		0.75 0.80	0.10 0.10				39 39		369
ELLERSLIE A ELLERSLIE C OTHER TOTAL-CARBON	486 653 790 2 753 12 312	0.75 0.70	0.10 0.10	342 ^b 441 498 1 735 8 855	201 ^b 324 868 4 546	141 117 498 867 4 309	39 39 40	5 507 4 592 19 810 33 259 167 300	150 1 012
CARDIFF 054-02W5 ELLERSLIE A OTHER TOTAL-CARDIFF	700 537 1 237	0.90	0.10	567 366 933	542 2 544	25 364 389	39	981 14 124 15 105	1 232
CARIBOU 062-10W5 TOTAL-CARIBOU	230			162	20	142		5 376	
CARIBOU LAKE (SA) 117-12W5 TOTAL-CARIBOU LAKE	71			48		48		1 741	
CARMANGAY 013-22W4 TOTAL-CARMANGAY	210			121		121		4 621	
CAROLINE 035-06W5 CARDIUM E SOLN CARDIUM E ASSOC CARDIUM M CARDIUM N GLAUCONITIC L CARD M,N & GLC L TOTAL VIKING A ASSOC VIKING A SOLN 1ST WHITE SPKS A&VIKA TOTAL	5 690 28 1 020 88 214 1 322 4 463 880 5 343	0.29 0.80 0.90 0.80 0.75 0.85 0.92 0.65 0.90	0.15 0.10 0.15 0.15 0.10 0.15 0.10 0.15 0.10	1 403 ^b 20 ^b 780 60 145 985 3 695 ^b 486 ^b 4 181 ^b		656 ^b 767 583 681	41 41 41 41 41 41 40 40 40	31 478 23 792 27 015	193 1 167 400 150 16 625
GLAUCONITIC C BASAL MANNVILLE K BASAL MANNVILLE R BASAL MANNVILLE GG BASAL MANNVILLE OO BASAL MANNVILLE RR BASAL MANNVILLE KKK BASAL MANNVILLE LLL BASAL MANNVILLE MMM BASAL MANNVILLE M2M BASAL MANNVILLE N2N BASAL MANNVILLE O2O BASAL MANNVILLE P2P	768 850 197 2 855 482 109 29 42 73 49 96 26 49	0.85 0.75 0.80 0.65 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75	0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10	588 574 142 1 670 326 74 20 29 50 33 65 18 33			40 41 41 40 41 40 41 41 41 41 41 41 41		1 755 2 459 822 5 312 2 142 961 150 150 150 150 150 150 150

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
5.09	0.233	0.80	2 960	26	0.943	0.61	591.3	1972	1993	ATCOR TCPL CNRL DART CANST
5.65	0.252	0.60	2 980	25	0.946	0.59	579.1	1973	1991	
2.94	0.223	0.60	3 240	27	0.943	0.59	748.9	1975	1991	
3.10	0.300	0.70	4 210	25	0.924	0.58	616.5	1980	1992	CWNGNUL PANALTA NORCEN
2.02	0.149	0.65	8 180	41	0.839	0.66	1 299.2	1959	1992	PART OF VIK POOL NO.3
								1959	1992	PART OF VIK POOL NO.3 PRODUCTION DECLINE
										TARRAGN PANCDN NORCEN CONTIN CWNGNUL PART
										OF VIK POOL NO.3
1.99	0.191	0.60	10 170	50	0.835	0.67	1 440.8	1955	1990	MATERIAL BALANCE MARGINAL OIL PRODUCTION
5.21	0.193	0.60	10 170	50	0.835	0.66	1 448.8	1955	1990	MATERIAL BALANCE
								1955	1989	CAN88IT TARRAGN TCPL CWNGNUL KANNGAZ
1.24	0.199	0.60	10 050	44	0.814	0.68	1 410.7	1990	1993	PANCDN MARGINAL OIL PRODUCTION
										PRODUCTION DECLINE CONCURRENT PRODUCTION
										PENDING
2.05	0.190	0.60	10 050	44	0.814	0.68	1 409.0	1990	1993	PRODUCTION DECLINE CONCURRENT PRODUCTION
										PENDING
9.80	0.210	0.85	10 240	53	0.821	0.70	1 468.9	1990	1993	PRODUCTION DECLINE
8.18	0.154	0.55	10 490	51	0.817	0.68	1 433.8	1988	1991	CONCURRENT PRODUCTION PENDING
								1961	1992	KANNGAZ PRODUCTION DECLINE
1.71	0.185	0.70	10 440	41	0.803	0.68	1 321.3	1977	1988	NORCEN ESSO AMERADA MATERIAL BALANCE
0.83	0.100	0.70	25 420	66	0.857	0.70	2 413.7	1974	1993	HOME TCPL DIRECT PANALTA POCO GPP
3.95	0.116	0.75	26 910	77	0.860	0.83	2 481.8	1987	1990	HOME TCPL DIRECT PANALTA POCO GPP
1.90	0.056	0.80	27 250	73	0.869	0.76	2 485.0	1988	1989	TOP/BASE TVD
10.40	0.070	0.80	27 570	82	0.902	0.72	3 183.8	1987	1993	TOP/BASE TVD
								1987	1993	TOP/BASE TVD
2.02	0.113	0.70	17 260	74	0.842	0.68	2 397.9	1956	1993	CONCURRENT PRODUCTION
						0.68		1956	1993	CONCURRENT PRODUCTION
								1956	1993	HOME ATCOR DEKALB DIRECT NORCEN PANALTA
										SHELL TCPL AMERADA ALTROAN CHEL CNWE
										CONCURRENT PRODUCTION
2.25	0.116	0.75	24 450	76	0.891	0.65	2 872.2	1981	1993	
1.69	0.108	0.75	28 480	80	0.909	0.70	3 007.9	1980	1987	
1.43	0.087	0.75	28 480	75	0.906	0.68	2 994.3	1980	1985	
2.92	0.102	0.75	27 120	80	0.908	0.68	2 935.2	1969	1990	
1.19	0.103	0.80	26 100	87	0.899	0.69	2 990.0	1981	1987	
0.85	0.084	0.70	26 060	87	0.905	0.68	2 953.1	1981	1987	
0.80	0.130	0.85	26 300	96	0.913	0.69	2 956.5	1984	1985	
1.70	0.100	0.75	26 300	96	0.913	0.69	2 940.7	1984	1985	
1.60	0.162	0.85	26 300	96	0.913	0.69	2 845.9	1982	1985	
1.80	0.100	0.80	26 100	89	0.902	0.69	3 063.9	1983	1987	
3.20	0.110	0.80	26 100	90	0.903	0.69	3 086.9	1983	1987	
1.00	0.095	0.80	26 100	87	0.899	0.69	2 903.0	1981	1987	
2.00	0.095	0.75	26 100	88	0.901	0.69	2 922.6	1981	1987	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
CAROLINE 035-06W5 (CONTINUED)									
BASAL MANNVILLE Q20	29	0.75	0.10	20			41		150
BASAL MANNVILLE R2R	67	0.75	0.10	45			40		150
BASAL MANNVILLE B2B	66	0.80	0.15	45			41		150
BASAL MANNVILLE S2S	112	0.75	0.10	76			40		591
BASAL MANNVILLE G3G	113	0.80	0.10	81			41		566
GLAUC & BSL MANN MU 1 TOTAL	6 012	0.70	0.10	3 889	519	3 370	40	135 002	
GLAUCONITIC J	335	0.80	0.10	241			41		300
BASAL MANNVILLE P3P	36	0.80	0.10	26			41		275
BASAL MANNVILLE Q3Q	123	0.80	0.10	88			41		300
BASAL MANNVILLE R3R	10	0.80	0.10	7			41		100
BASAL MANNVILLE S3S	28	0.80	0.10	20			41		150
GLAUC & BSL MANN MU#2 TOTAL	532	0.80	0.10	382		345	41	14 083	
BASAL MANNVILLE B	700	0.80	0.15	476		48	42	2 038	150
BASAL MANNVILLE G	508	0.85	0.10	389	383	6	41	248	150
BASAL MANNVILLE I	592	0.85	0.10	453			40		879
BASAL MANNVILLE XX	112	0.75	0.10	76			40		300
BASAL MANNVILLE YY	22	0.75	0.10	15			40		300
BASAL MANNVILLE AAA	72	0.75	0.10	49			40		300
BMN I,XX,YY & AAA TOTAL	798	0.80	0.10	593	68	525	40	21 063	
BASAL MANNVILLE AA	205	0.90	0.15	157			42		971
BASAL MANNVILLE BBB	87	0.75	0.15	55			42		647
BASAL MANNVILLE CCC	191	0.85	0.15	138			42		614
BSL MANN AA,BBB & CCC TOTAL	483	0.85	0.15	350	78	272	42	11 332	
BASAL MANNVILLE A	2 500	0.80	0.10	1 800			40		5 692
BASAL MANNVILLE L	524	0.80	0.10	377			40		2 363
BASAL MANNVILLE OO	585	0.80	0.10	421			41		1 621
BASAL MANNVILLE PP	38	0.80	0.10	27			41		300
BASAL MANNVILLE SS	167	0.80	0.10	121			40		656
BASAL MANNVILLE ZZ	22	0.80	0.10	16			41		150
BASAL MANNVILLE DDD	42	0.75	0.10	29			41		128
BASAL MANNVILLE JJJ	30	0.80	0.10	22			41		150
BASAL MANNVILLE YYY	116	0.75	0.10	78			41		300
BASAL MANNVILLE TTT	34	0.75	0.15	22			42		150
BASAL MANNVILLE J2J	115	0.75	0.10	77			40		842
BASAL MANNVILLE T2T	343	0.85	0.15	248			42		1 082
BASAL MANNVILLE U2U	27	0.75	0.10	18			41		150
BASAL MANNVILLE V2V	20	0.80	0.10	14			40		150
BASAL MANNVILLE W2W	11	0.75	0.10	7			40		150
BASAL MANNVILLE C3C	22	0.75	0.10	15			40		128
GLAUCONITIC I	109	0.75	0.10	74			41		128
BASAL MANNVILLE B3B	22	0.80	0.10	16			40		128
BASAL MANNVILLE W3W	20	0.75	0.15	13			41		150
BASAL MANNVILLE X3X	34	0.75	0.15	22			41		150
BASAL MANNVILLE MU #3 TOTAL	4 781	0.80	0.10	3 417	1 059	2 358	41	95 640	
GLAUCONITIC H	472	0.70	0.10	297			41		638
BASAL MANNVILLE OOO	37	0.75	0.10	25			40		300
BASAL MANNVILLE PPP	31	0.75	0.10	21			40		150
BASAL MANNVILLE QOO	42	0.75	0.10	29			40		150
BASAL MANNVILLE RRR	281	0.80	0.10	203			40		757
BASAL MANNVILLE Z2Z	69	0.80	0.15	47			41		300
BASAL MANNVILLE MU #4 TOTAL	932	0.75	0.10	622	104	518	41	21 077	
BASAL MANNVILLE K2K	203	0.80	0.10	146			40		300
BASAL MANNVILLE L2L	162	0.80	0.10	117			40		823
BASAL MANNVILLE X2X	133	0.75	0.10	90			41		300
BASAL MANNVILLE MU #5 TOTAL	498	0.80	0.10	353	106	247	40	9 934	
OSTRACOD A	306	0.85	0.10	234			39		821
GLAUCONITIC F	325	0.85	0.10	249			40		1 064
BASAL MANNVILLE O	77	0.75	0.10	52			40		300
BASAL MANNVILLE Y	5 778	0.60	0.10	3 120			40		8 689
BASAL MANNVILLE EE	219	0.75	0.10	148			39		970
BASAL MANNVILLE FF	142	0.75	0.10	96			39		150
BASAL MANNVILLE HH	170	0.75	0.10	115			40		999
BASAL MANNVILLE II	136	0.75	0.10	92			40		565
BASAL MANNVILLE JJ	20	0.75	0.10	14			40		150
BASAL MANNVILLE KK	64	0.75	0.10	43			40		300
BASAL MANNVILLE LL	22	0.75	0.10	15			40		150
BASAL MANNVILLE GGG	80	0.75	0.10	54			39		150
BASAL MANNVILLE HHH	90	0.75	0.10	61			39		432
BASAL MANNVILLE III	67	0.75	0.10	45			39		300

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
1.00	0.100	0.85	26 100	89	0.902	0.69	2 931.0	1981	1987	GULF DIRECT AMOCO TCPL CHEL NRTHRGE HOME MORRIS AMERADA
2.00	0.120	0.90	23 600	90	0.888	0.69	2 998.5	1984	1987	
2.00	0.100	0.80	31 300	77	0.921	0.79	2 838.0	1982	1985	
0.90	0.114	0.80	26 100	84	0.903	0.68	2 832.7	1961	1990	
0.89	0.110	0.80	28 600	80	0.905	0.72	2 812.6	1982	1990	
								1961	1993	
5.50	0.105	0.80	27 930	86	0.916	0.68	2 594.5	1988	1989	TCPL ALTRON PRODUCTION DECLINE PRODUCTION DECLINE
0.55	0.126	0.80	27 810	87	0.917	0.69	2 617.1	1988	1989	
1.50	0.135	0.85	27 970	90	0.921	0.68	2 657.1	1988	1988	
0.50	0.100	0.80	27 850	87	0.916	0.68	2 615.8	1988	1989	
1.00	0.090	0.85	27 840	87	0.916	0.68	2 625.4	1988	1989	
								1988	1989	
6.85	0.070	0.75	29 370	86	0.911	0.77	2 890.7	1958	1989	ALTRON TCPL PROGAS CHEL
26.10	0.110	0.85	19 760	93	0.871	0.67	2 958.9	1981	1992	
2.91	0.137	0.80	24 200	92	0.893	0.69	2 886.8	1980	1985	
2.00	0.110	0.80	24 200	91	0.891	0.69	2 910.1	1980	1985	
0.40	0.109	0.80	24 200	92	0.893	0.70	2 888.0	1980	1985	
1.60	0.086	0.80	24 500	86	0.888	0.69	2 896.9	1980	1991	
0.90	0.130	0.80	24 690	84	0.872	0.74	2 645.9	1976	1991	CNWE
0.75	0.114	0.70	24 690	84	0.872	0.74	2 677.1	1976	1985	
1.49	0.132	0.70	24 690	84	0.872	0.74	2 683.6	1976	1986	
								1976	1987	
2.00	0.117	0.80	26 730	87	0.900	0.71	2 691.7	1957	1991	
0.90	0.126	0.85	26 370	88	0.903	0.70	2 650.2	1964	1991	
1.57	0.118	0.80	27 850	87	0.904	0.73	2 815.6	1960	1990	MARGINAL OIL PRODUCTION
0.70	0.094	0.75	30 530	91	0.934	0.73	2 773.4	1981	1985	
0.90	0.139	0.85	27 450	84	0.914	0.67	2 650.8	1980	1984	
0.80	0.090	0.80	29 330	89	0.921	0.73	2 774.0	1981	1985	
1.80	0.100	0.75	28 000	92	0.904	0.76	2 837.4	1981	1985	
1.00	0.100	0.80	29 330	89	0.921	0.73	2 792.3	1981	1985	
1.43	0.120	0.80	30 940	69	0.914	0.75	2 690.4	1973	1989	ALTRON NORCEN AMOCO TCPL PANALTA DEKALB HOME
0.90	0.130	0.75	27 550	72	0.869	0.76	2 694.3	1957	1987	
0.66	0.106	0.85	26 010	87	0.898	0.70	2 639.4	1980	1989	
1.42	0.116	0.85	23 840	80	0.848	0.75	2 674.3	1982	1987	
0.80	0.110	0.85	28 300	89	0.908	0.74	2 664.1	1982	1987	
0.60	0.110	0.80	28 860	75	0.928	0.69	2 817.6	1960	1990	
0.45	0.090	0.80	24 810	75	0.867	0.71	2 783.0	1981	1985	TCPL HOME
0.85	0.114	0.80	22 660	79	0.846	0.74	2 638.8	1963	1991	
4.00	0.120	0.85	22 600	83	0.862	0.71	2 594.5	1984	1987	
1.00	0.090	0.70	29 920	72	0.916	0.70	2 668.3	1987	1987	
0.90	0.090	0.75	21 640	71	0.822	0.73	2 625.6	1983	1988	
1.20	0.110	0.80	21 640	71	0.822	0.73	2 639.4	1983	1988	
3.22	0.125	0.80	25 680	87	0.882	0.73	2 556.1	1984	1989	NRTHRGE CHEL MORRIS NORCEN
0.60	0.112	0.80	25 880	85	0.896	0.69	2 583.9	1984	1988	
0.85	0.125	0.80	27 140	79	0.899	0.69	2 599.8	1984	1990	
1.30	0.110	0.85	25 880	85	0.896	0.69	2 598.5	1984	1985	
1.76	0.108	0.80	27 140	79	0.899	0.69	2 611.7	1984	1989	
0.75	0.137	0.85	28 840	79	0.889	0.80	2 629.9	1985	1986	
2.50	0.109	0.85	38 770	91	1.037	0.73	3 116.0	1984	1990	NRTHRGE CHEL MORRIS NORCEN
0.92	0.104	0.75	36 680	100	1.021	0.69	3 147.4	1970	1990	
1.50	0.129	0.80	38 770	98	1.040	0.70	3 179.6	1985	1987	
								1970	1990	
2.51	0.094	0.80	22 800	93	0.896	0.68	2 892.6	1980	1991	
1.70	0.092	0.85	25 710	90	0.917	0.64	2 768.3	1982	1989	
1.00	0.125	0.90	25 770	91	0.888	0.75	2 869.2	1980	1987	
4.05	0.105	0.75	23 660	90	0.889	0.69	2 856.4	1978	1992	
1.58	0.094	0.75	22 600	88	0.880	0.70	2 915.2	1980	1991	
4.00	0.140	0.85	22 600	91	0.885	0.70	2 943.0	1980	1988	
1.20	0.095	0.75	22 470	94	0.874	0.73	2 946.9	1979	1992	
1.44	0.092	0.80	26 000	90	0.899	0.72	2 894.8	1981	1992	
1.40	0.075	0.65	22 200	92	0.868	0.73	2 936.5	1979	1988	
1.15	0.095	0.80	26 750	78	0.890	0.71	2 904.2	1981	1992	
1.22	0.080	0.80	19 800	78	0.850	0.69	2 980.8	1980	1988	
4.20	0.100	0.60	24 230	90	0.902	0.68	2 858.2	1979	1985	
1.17	0.103	0.85	23 000	89	0.892	0.68	2 800.6	1980	1985	
1.35	0.096	0.85	23 000	89	0.892	0.68	2 806.6	1980	1990	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
CAROLINE 035-06W5 (CONTINUED)									
BASAL MANNVILLE Y2Y	27	0.75	0.10	18			40		200
BASAL MANNVILLE H3H	36	0.75	0.10	24			40		128
BASAL MANNVILLE I3I	25	0.75	0.10	17			40		128
BASAL MANN & OST MU TOTAL	7 584	0.65	0.10	4 397	1 074	3 323	40	133 850	
RUNDLE A ASSOC	153	0.75	0.15	98 ^b			40		492
RUNDLE A SOLN	4 783	0.46	0.38	1 364 ^b			40		
RUNDLE A ASSOC	180	0.75	0.15	115 ^b			40		278
RUNDLE A ASSOC	11	0.75	0.15	7 ^b			40		45
RUNDLE A ASSOC	69	0.75	0.15	44 ^b			41		200
RUNDLE A TOTAL	5 196	0.50	0.35	1 628 ^b	1 385 ^b	243	40	9 744	
ELKTON A	692	0.85	0.20	470	470	< 1	42	-	512
ELKTON I	495	0.85	0.15	358	282	76	40	3 016	400
ELKTON P	713	0.90	0.20	514	65	449	41	18 467	200
LED 16-034-07	1 013	0.85	0.35	560		560	36	20 311	200
BEAVERHILL LAKE A	64 707	c	c	16 360	838	15 522	37 ^a	566 708	12 419
SW HL 36-034-06	1 571	0.85	0.60	534		534	43	22 877	400
OTHER	14 642			5 903	1 074	4 829		193 944	
TOTAL-CAROLINE	124 240			47 784	12 528	35 256		1 361 619	
CARROT CREEK 052-12W5									
LOWER MANNVILLE G	1 169	0.85	0.15	845			41		1 580
LOWER MANNVILLE L	240	0.85	0.20	163			41		511
LOWER MANNVILLE O	123	0.75	0.15	78			41		300
LOWER MANNVILLE G,L&O TOTAL	1 532	0.85	0.15	1 086	251	835	41	33 968	
LOWER MANNVILLE O	303	0.85	0.15	219			40		128
JURASSIC T	394	0.80	0.10	284			41		608
L MANN O & JUR T TOTAL	697	0.80	0.10	503	343	160	41	6 557	
JURASSIC V ASSOC	46	0.70	0.10	29			40		217
JURASSIC V SOLN	1 077	0.65	0.40	420			40		
JURASSIC W ASSOC	34	0.70	0.10	22			40		170
LMAN M, JUR O,P,V&W TOTAL	1 157	0.65	0.40	471	213	258	41	10 686	
OTHER	5 622			3 238	890	2 348		93 736	
TOTAL-CARROT CREEK	9 008			5 298	1 697	3 601		144 947	
CARSON CREEK 061-12W5									
BEAVERHILL LAKE B	10 941	c	c	8 030	6 800	1 230	42 ^a	51 230	8 415
OTHER	52			27	13	14		546	
TOTAL-CARSON CREEK	10 993			8 057	6 813	1 244		51 776	
CARSON CREEK NORTH 062-12W5									
BEAVERHILL LAKE A ASSOC	543	0.65	0.15	300 ^b			42		1 155
BEAVERHILL LAKE A SOLN	16 495	0.46	0.15	6 450 ^b			42		
BEAVERHILL LAKE B ASSOC	149	0.65	0.15	82 ^b			42		286
BEAVERHILL LAKE A&B TOTAL	17 187	0.45	0.15	6 832 ^b	5 532 ^b	1 300	42	54 184	
OTHER	129			85	39	46		1 794	
TOTAL-CARSON CREEK NORTH	17 316			6 917	5 571	1 346		55 978	
CARSTAIRS 030-02W5									
ELKTON A	29 728	0.93	0.15	23 500	22 326	1 174	40	47 289	6 316
ELKTON C	638	0.80	0.15	434	136	298	40	12 042	200
OTHER	741			481	44	437		17 470	
TOTAL-CARSTAIRS	31 107			24 415	22 506	1 909		76 801	
CARVEL 053-02W5									
TOTAL-CARVEL	515			345		345		12 980	
CASLAN 065-17W4									
GRAND RAPIDS A	148	0.65	0.05	91			38		1 743
GRAND RAPIDS B	49	0.65	0.05	30			37		714
NISKU A	691	0.75	0.05	492			37		1 995
GRD RP A,B & NISKU A TOTAL	888	0.75	0.05	613	336	277	37	10 307	
OTHER	467			298	115	183		6 847	
TOTAL-CASLAN	1 355			911	451	460		17 154	
CAVALIER 024-23W4									
TOTAL-CAVALIER	838			543	3	540		20 467	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
1.20	0.080	0.65	22 920	77	0.856	0.71	2 869.2	1984	1990	GULF DIRECT AMOCO TCPL PROGAS HOME ALTROAN DRY GAS BREAKTHRU DRY GAS BREAKTHRU
2.00	0.100	0.65	23 770	85	0.883	0.69	2 854.3	1984	1986	
1.30	0.110	0.65	23 770	85	0.883	0.69	2 859.2	1984	1986	
1.87	0.099	0.75	24 940	80	0.895	0.68	2 733.6	1978	1992	
3.23	0.105	0.85	24 940	80	0.895	0.68	2 675.1	1955	1990	
1.24	0.100	0.85	24 940	80	0.895	0.68	2 770.2	1955	1989	TCPL PANALTA HOME AMERADA DRY GAS BREAKTHRU ALTROAN TCPL PRODUCTION DECLINE
1.80	0.100	0.85	24 230	79	0.865	0.73	2 640.6	1955	1990	
								1955	1991	
5.10	0.104	0.80	23 740	93	0.859	0.81	2 823.5	1959	1990	
6.15	0.117	0.80	24 750	89	0.905	0.70	2 873.0	1981	1988	
12.15	0.140	0.90	25 950	87	0.880	0.79	2 734.4	1990	1991	DEKALB TCPL TOP/BASE TVD HOME SHELL HUSKY TCPL ATCOR PROGAS ALTROAN CNWE CHEL TOP/BASE TVD
25.20	0.080	0.90	36 290	110	0.965	0.75	3 961.2	1990	1990	
18.54	0.101	0.90	36 650	102	0.899	1.17	3 721.4	1986	1993	
22.70	0.060	0.90	36 830	109	0.856	1.17	3 895.4	1989	1991	
5.52	0.119	0.65	17 660	81	0.819	0.75	2 121.9	1976	1993	TCPL
2.86	0.106	0.75	17 900	65	0.728	0.85	2 180.6	1976	1982	
2.40	0.139	0.65	17 520	64	0.780	0.75	2 150.4	1979	1986	
								1976	1986	
9.97	0.130	0.75	23 100	62	0.805	0.79	2 060.1	1979	1986	
3.88	0.107	0.65	23 100	63	0.814	0.74	2 093.9	1979	1989	PANALTA PROGAS SOLN MU-L MANN M, JURASSIC O.P.V&W SOLN MU-L MANN M, JURASSIC O.P.V&W
1.90	0.110	0.60	17 200	78	0.832	0.71	2 140.8	1976	1986	
						0.71		1976	1986	
1.79	0.106	0.65	17 100	80	0.837	0.71	2 154.8	1976	1986	
								1976	1989	
										PROGAS TCPL
7.54	0.077	0.80	26 130	93	0.850	0.92	2 619.1	1957	1988	TCPL POCO PARTIAL GAS CYCLING, BLOWDOWN
3.13	0.086	0.75	25 750	85	0.878	0.75	2 641.4	1958	1992	SOLN MU-BVHL LAKE A & B, CONC PROD SOLN MU-BVHL LAKE A & B, CONC PROD CONCURRENT PRODUCTION
						0.75		1958	1992	
3.00	0.100	0.75	25 920	88	0.884	0.74	2 656.2	1958	1992	
								1958	1992	
18.65	0.085	0.75	22 820	80	0.853	0.78	2 466.4	1958	1989	TCPL PRODUCTION DECLINE PARTIAL GAS CYCLING, BLOWDOWN DIRECT HOME
18.18	0.120	0.85	17 240	75	0.819	0.76	2 401.8	1986	1989	
1.63	0.302	0.55	3 060	23	0.939	0.57	439.3	1980	1990	PANALTA
1.27	0.299	0.50	3 460	17	0.931	0.56	483.2	1980	1982	
9.57	0.171	0.65	3 150	20	0.939	0.58	587.0	1976	1993	
								1976	1993	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
CAW (SA) 061-06W6 TOTAL-CAW	91			60		60		2 406	
CECIL 084-08W6 TOTAL-CECIL	1 813			1 085	188	897		34 187	
CECILIA 057-22W5 NISKU A	2 307	0.80	0.35	1 200	182	1 018	37	37 941	891
OTHER	2 112			1 259	20	1 239		48 501	
TOTAL-CECILIA	4 419			2 459	202	2 257		86 442	
CENTRON 023-26W4 TOTAL-CENTRON	119			78		78		2 948	
CEREAL 027-07W4 TOTAL-CEREAL	171			117	4	113		4 133	
CESSFORD 025-13W4 MILK RIVER A	4 180	0.70	0.05	2 780			36		83 859
MEDICINE HAT A	10 677	0.70	0.03	7 250			36		128 237
MEDICINE HAT C	456	0.50	0.03	221			36		15 830
MEDICINE HAT D	1 124	0.50	0.03	545			36		35 606
SECOND WHITE SPECKS A	576	0.75	0.05	410			36		8 868
SE ALTA GAS SYS(MU) TOTAL	17 013	0.70	0.05	11 206	2 592	8 614	36	314 153	
VIKING D		0.75	0.03				37		200
VIKING H		0.75	0.03				38		1 587
VIKING D & H TOTAL	667	0.75	0.05	485	465	20	37	749	
BASAL COLORADO A ASSOC		0.91	0.04				38		27 451
BASAL COLORADO A SOLN	544	0.44	0.20	191b			38		
BASAL COLORADO A ASSOC		0.91	0.04				38		524
BASAL COLORADO A ASSOC		0.91	0.04				38		189
BASAL COLORADO A TOTAL	20 233	0.90	0.05	17 391b	17 266b	125	38	4 796	
BASAL COLORADO O	949	0.80	0.10	683	682	1	38	38	3 549
BASAL COLORADO E		0.85	0.10				38		3 955
MANNVILLE N		0.85	0.04				38		440
MANNVILLE O		0.75	0.10				38		200
BSL COLD E & MANN N&O TOTAL	1 978	0.85	0.10	1 530	1 513	17	38	647	
MANNVILLE I ASSOC	433	0.75	0.04	312	109	203	38	7 777	377
MANNVILLE C ASSOC	1 012	0.85	0.05	817b			38		830
MANNVILLE C SOLN	1 280	0.65	0.25	624b			38		
MANNVILLE C ASSOC	714	0.75	0.05	509b			38		1 287
MANNVILLE C ASSOC	412	0.85	0.05	333b			38		1 513
MANNVILLE C ASSOC	19	0.75	0.05	13b			38		77
MANNVILLE C ASSOC	9	0.75	0.05	7b			38		30
MANNVILLE C ASSOC	2	0.75	0.05	2b			38		32
MANNVILLE C ASSOC	1	0.75	0.05	1b			38		17
MANNVILLE C ASSOC	11	0.75	0.05	8b			38		73
MANNVILLE C ASSOC	6	0.75	0.05	5b			38		30
MANNVILLE C ASSOC	42	0.75	0.05	30b			38		150
MANNVILLE C ASSOC	11	0.75	0.05	8b			38		75
MANNVILLE C ASSOC	7	0.75	0.05	5b			38		75
MANNVILLE C ASSOC	7	0.75	0.05	5b			38		32
MANNVILLE C TOTAL	3 533	0.75	0.10	2 367b	1 857b	510	40	20 630	
MANNVILLE G	1 310	0.69	0.04	868	867	1	38	38	1 709
MANNVILLE H	1 740	0.75	0.04	1 253	1 252	1	37	37	2 836
MANNVILLE J	662	0.71	0.04	451	451	< 1	38	-	267
MANNVILLE V	1 900	0.85	0.04	1 550	1 414	136	38	5 131	1 547
MANNVILLE Y ASSOC		0.85	0.10				39		269
MANNVILLE Y SOLN	442	0.65	0.30	201b			39		
MANNVILLE Y ASSOC		0.85	0.10				39		221
MANNVILLE Y ASSOC		0.85	0.10				39		134
MANNVILLE Y ASSOC		0.85	0.10				39		31
MANNVILLE Z ASSOC		0.85	0.10				39		96
MANNVILLE Y & Z TOTAL	1 214	0.80	0.15	791b	591b	200	39	7 744	
MANNVILLE L		0.75	0.10				39		498

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
15.31	0.072	0.85	34 460	103	0.943	0.74	3 475.2	1987	1991	CHEL GULF TOP/BASE TVD
3.45	0.154	0.55	3 140	16	0.937	0.56	375.2	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
1.93	0.170	0.55	4 310	17	0.916	0.56	494.0	1904	1987	PART OF MED HAT POOL NO.1
0.73	0.139	0.60	4 450	19	0.916	0.56	485.4	1973	1988	PART OF MED HAT POOL NO.3
0.80	0.139	0.60	4 450	19	0.916	0.56	512.4	1973	1988	PART OF MED HAT POOL NO.4
0.84	0.216	0.60	5 690	27	0.904	0.57	639.4	1944	1982	PART OF 2WS POOL NO.1
1.80	0.155	0.45	7 550	29	0.870	0.59	781.1	1967	1992	ULSTER TRWENR NOVER TARRAGN ESSO RENENER CNG TCPL NCMI PANALTA PROGAS BVI ATCOR AMERADA CANST KANNGAZ NORCEN POCO PRODUCTION DECLINE
3.04	0.200	0.50	7 630	27	0.853	0.60	801.0	1965	1992	PRODUCTION DECLINE
4.14	0.251	0.60	8 810	27	0.822	0.62	875.7	1950	1992	POCO TCPL CRESTAR
1.93	0.236	0.60	8 810	27	0.822	0.62	917.7	1950	1991	MATERIAL BALANCE CONCURRENT PRODUCTION
1.86	0.238	0.55	8 810	27	0.822	0.62	917.8	1950	1989	MATERIAL BALANCE CONCURRENT PRODUCTION
2.45	0.233	0.50	7 600	28	0.836	0.65	915.4	1951	1993	MATERIAL BALANCE
2.69	0.214	0.40	8 680	27	0.820	0.64	900.8	1950	1988	TARRAGN ESSO TCPL ATCOR POCO CRESTAR CONCURRENT PRODUCTION
3.08	0.212	0.50	9 760	33	0.813	0.66	1 012.9	1951	1988	PRODUCTION DECLINE
6.17	0.233	0.60	8 720	33	0.828	0.66	973.1	1953	1988	MATERIAL BALANCE NONCOMMERCIAL OIL
2.49	0.218	0.70	9 740	33	0.838	0.59	1 019.9	1951	1988	MATERIAL BALANCE
6.57	0.242	0.70	9 760	31	0.833	0.60	1 006.9	1951	1986	ESSO TCPL TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION
3.67	0.230	0.60	9 760	31	0.833	0.60	1 009.4	1951	1993	CONCURRENT PRODUCTION
1.76	0.235	0.60	9 760	31	0.833	0.60	1 016.2	1951	1992	CONCURRENT PRODUCTION
1.62	0.226	0.60	9 760	31	0.833	0.60	1 022.0	1951	1992	
1.80	0.220	0.70	9 760	31	0.833	0.60	1 022.4	1951	1992	
0.50	0.180	0.50	9 760	31	0.833	0.60	1 023.4	1951	1992	ASSIGNED WELL 01-27-025-12W4M
0.75	0.200	0.50	9 760	31	0.833	0.60	1 025.6	1951	1992	
1.03	0.207	0.65	9 760	31	0.833	0.60	1 028.6	1951	1992	
0.97	0.230	0.80	9 760	31	0.833	0.60	1 038.1	1951	1992	
2.30	0.220	0.50	9 760	31	0.833	0.60	999.4	1951	1992	ASSIGNED WELL 15-17-025-12W4M
0.91	0.230	0.65	9 760	31	0.833	0.60	1 012.1	1951	1992	ASSIGNED WELL 16-14-025-12W4M
0.60	0.220	0.65	9 760	31	0.833	0.60	1 026.9	1951	1992	ASSIGNED WELL 06-34-025-12W4M
2.50	0.160	0.50	9 760	31	0.833	0.60	1 019.8	1951	1991	ASSIGNED WELL 16-03-025-12W4M
4.02	0.210	0.50	9 760	33	0.813	0.66	1 037.0	1951	1992	ESSO TCPL CWNGLUL LOMALTA CRESTAR CONCURRENT PRODUCTION
4.30	0.264	0.55	9 930	27	0.828	0.60	934.1	1950	1992	TCPL CRESTAR PRODUCTION DECLINE
4.88	0.233	0.55	10 580	36	0.811	0.66	1 036.0	1958	1993	TCPL PRODUCTION DECLINE NONCOMMERCIAL OIL
3.21	0.221	0.60	9 650	38	0.827	0.66	1 126.4	1958	1992	
2.11	0.212	0.65	9 710	32	0.808	0.65	998.7	1951	1989	TARRAGN TCPL CANST MATERIAL BALANCE PRODUCTION DECLINE SOLN MU-MANNVILLE Y&Z, CONC PROD
2.28	0.206	0.60	8 290	32	0.830	0.65	1 000.9	1951	1989	PRODUCTION DECLINE SOLN MU-MANNVILLE Y&Z, CONC PROD
6.69	0.182	0.65	9 710	32	0.808	0.65	990.4	1951	1989	PRODUCTION DECLINE
0.83	0.180	0.50	9 710	32	0.808	0.65	1 011.5	1951	1989	PRODUCTION DECLINE
0.69	0.233	0.65	9 680	29	0.801	0.64	991.3	1951	1989	PRODUCTION DECLINE
3.03	0.235	0.50	9 650	35	0.792	0.71	1 107.7	1951	1991	ESSO TCPL CRESTAR CONCURRENT PRODUCTION
								1962	1985	MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
CESSFORD 025-13W4 (CONTINUED)									
MANNVILLE CC		0.75	0.05				38		2 484
MANNVILLE L & CC TOTAL	609	0.75	0.05	434	397	37	38	1 413	
MANNVILLE C3C	547	0.85	0.05	442	48	394	38	14 952	437
MANNVILLE 030	520	0.85	0.05	420	58	362	37	13 271	150
MANNVILLE HH ASSOC	851	0.80	0.10	613 ^b			38		1 903
MANNVILLE HH SOLN	13	0.65	0.35	5 ^b			38		
MANNVILLE 030	469	0.85	0.10	359 ^b			39		2 305
MANN HH & 030 TOTAL	1 333	0.80	0.10	977 ^b	387 ^b	590	38	22 556	
BANFF B ASSOC	462	0.85	0.10	354 ^b			39		1 615
BANFF B SOLN	313	0.65	0.12	179 ^b			39		
BANFF B ASSOC	2	0.75	0.10	2 ^b			39		26
BANFF B ASSOC	6	0.75	0.10	5 ^b			39		72
BANFF B TOTAL	783	0.75	0.10	540 ^b	227 ^b	313	39	12 270	
OTHER	14 522			9 738	3 687	6 051		228 638	
TOTAL-CESSFORD	69 946			51 438	33 863	17 575		654 840	
CHAIN 033-17W4									
TOTAL-CHAIN	2 248			1 453	477	976		37 009	
CHAMBERLAIN 052-23W4									
TOTAL-CHAMBERLAIN	10			6		6		229	
CHAMBERS 041-10W5									
ELTN 05-041-11	457	0.85	0.15	330		330	39	12 857	200
OTHER	529			379		379		14 840	
TOTAL-CHAMBERS	986			709		709		27 697	
CHANDLER 059-02W4									
TOTAL-CHANDLER	368			207	95	112		4 068	
CHARD 079-06W4									
WABISKAW B		0.50	0.05				37		3 558
WABISKAW D		0.50	0.05				38		1 441
WABISKAW E		0.50	0.10				41		485
WABISKAW F		0.50	0.05				37		200
WABISKAW G		0.50	0.05				37		200
WABISKAW H		0.50	0.05				37		75
MCMURRAY B		0.75	0.05				37		23 732
MCMURRAY E		0.50	0.05				37		2 790
MCMURRAY F		0.50	0.05				37		237
MCMURRAY G		0.50	0.05				37		279
MCMURRAY H		0.60	0.05				37		200
MCMURRAY I		0.50	0.05				38		469
MCMURRAY J		0.50	0.05				38		518
MCMURRAY L		0.70	0.05				37		200
MCMURRAY M	53	0.70	0.05	35			37		200
MCMURRAY P		0.50	0.05				36		200
MCMURRAY R		0.55	0.05				37		200
MCMURRAY T		0.50	0.05				37		200
MCMURRAY U		0.50	0.05				37		75
MCMURRAY V		0.50	0.05				37		200
MCMURRAY W		0.55	0.05				37		200
WBSK & MCMURRAY MU#1 TOTAL	5 593	0.75	0.05	3 879	3 374	505	37	18 877	
OTHER	1 042			553	47	506		18 906	
TOTAL-CHARD	6 635			4 432	3 421	1 011		37 783	
CHARLIE 089-05W6									
GETHING C	464	0.80	0.05	352			37		2 341
GETHING E	81	0.70	0.05	54			37		300
GETHING C & E TOTAL	545	0.80	0.05	406	73	333	37	12 221	
OTHER	236			151	56	95		3 630	
TOTAL-CHARLIE	781			557	129	428		15 851	
CHARLOTTE LAKE 060-04W4									
COLONY G	885	0.75	0.05	631	548	83	38	3 166	2 788
COLONY A		0.65	0.05				38		4 396
GRAND RAPIDS A		0.55	0.05				37		463
GRAND RAPIDS J	57	0.65	0.05	35			37		626

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
2.04	0.177	0.55	9 450	35	0.850	0.59	1 087.1	1962 1962	1980	MATERIAL BALANCE TCPL CRESTAR
8.27	0.220	0.65	9 540	34	0.835	0.62	980.9	1986	1993	LOMALTA
17.00	0.270	0.75	9 190	30	0.857	0.58	925.7	1990	1990	TARRAGN
4.70	0.157	0.55	9 830	38	0.816	0.68	1 232.3	1972	1992	SOLN MU-MANN HH & 030. GPP
						0.68		1972	1992	SOLN MU-MANN HH & 030. GPP
1.89	0.169	0.60	9 670	40	0.827	0.65	1 198.7	1972	1992	
								1972	1993	CRESTAR TCPL NORCEN HOME GPP
2.53	0.151	0.60	10 900	38	0.799	0.66	1 192.8	1972	1985	CONCURRENT PRODUCTION
						0.66		1972	1985	CONCURRENT PRODUCTION
0.73	0.140	0.50	10 900	38	0.799	0.65	1 269.7	1972	1984	
0.94	0.151	0.50	10 900	37	0.800	0.66	1 287.3	1972	1989	
								1972	1989	TCPL HOME NORCEN CRESTAR CONCURRENT PRODUCTION
14.87	0.080	0.85	29 790	110	0.978	0.66	3 398.9	1973	1974	TCPL AEC ENCOR
0.72	0.248	0.50	1 790	15	0.963	0.56	208.0	1979	1993	PRODUCTION DECLINE
0.69	0.266	0.50	1 740	15	0.965	0.55	254.3	1978	1993	PRODUCTION DECLINE
0.59	0.271	0.50	1 550	10	0.950	0.69	266.3	1986	1993	PRODUCTION DECLINE
1.00	0.250	0.40	700	12	0.986	0.56	230.9	1986	1993	PRODUCTION DECLINE
1.00	0.280	0.60	1 840	16	0.963	0.56	356.2	1991	1993	PRODUCTION DECLINE
1.00	0.230	0.80	1 610	15	0.967	0.56	331.5	1991	1993	PRODUCTION DECLINE
4.90	0.282	0.75	1 730	16	0.965	0.56	246.0	1957	1993	PRODUCTION DECLINE
1.66	0.280	0.65	1 730	18	0.965	0.55	218.3	1979	1993	PRODUCTION DECLINE
1.09	0.263	0.55	1 420	9	0.969	0.55	211.7	1984	1993	PRODUCTION DECLINE
1.19	0.271	0.60	1 570	10	0.965	0.55	215.7	1985	1993	PRODUCTION DECLINE
1.60	0.300	0.45	1 640	16	0.966	0.55	209.2	1985	1993	PRODUCTION DECLINE
1.05	0.287	0.65	1 750	8	0.961	0.55	310.4	1985	1993	PRODUCTION DECLINE
1.16	0.290	0.60	1 680	16	0.966	0.55	261.0	1986	1993	PRODUCTION DECLINE
1.70	0.280	0.55	1 660	8	0.963	0.56	213.5	1988	1993	PRODUCTION DECLINE
7.60	0.270	0.75	1 660	11	0.965	0.56	221.3	1988	1990	
4.80	0.260	0.70	1 600	15	0.968	0.57	252.7	1985	1993	PRODUCTION DECLINE
1.30	0.300	0.70	1 870	16	0.962	0.56	359.4	1991	1993	PRODUCTION DECLINE
2.30	0.330	0.80	1 660	15	0.966	0.56	336.9	1991	1993	PRODUCTION DECLINE
0.50	0.240	0.80	1 700	15	0.965	0.56	341.4	1991	1993	PRODUCTION DECLINE
2.70	0.300	0.90	1 740	15	0.965	0.56	345.7	1991	1993	PRODUCTION DECLINE
1.80	0.270	0.60	1 930	16	0.961	0.56	366.4	1991	1993	PRODUCTION DECLINE
								1957	1993	CANST ATCOR CANOXY ESSO SASKOIL HOME PANALTA TCPL TRWENR NRTHSTR RIOALTO NOVER
2.03	0.205	0.65	7 170	39	0.891	0.60	1 070.9	1979	1988	
3.10	0.203	0.60	7 180	46	0.900	0.58	1 049.9	1986	1986	
								1979	1989	CWNGNUL PROGAS
1.94	0.291	0.75	2 430	12	0.945	0.57	329.4	1972	1990	TRWENR RENENER WESTGAS ESSO NORCEN
										MATERIAL BALANCE
2.49	0.294	0.65	2 230	13	0.950	0.57	345.9	1964	1989	MATERIAL BALANCE
0.67	0.324	0.60	2 470	14	0.948	0.56	365.7	1983	1989	MATERIAL BALANCE
1.40	0.320	0.75	2 580	14	0.947	0.56	366.4	1978	1991	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA ha
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
CHARLOTTE LAKE 060-04W4 (CONTINUED)									
CLNY A & GRD RP A & J TOTAL	1 118	0.65	0.05	690	604	86	38	3 280	
OTHER	1 279			752	413	339		12 648	
TOTAL-CHARLOTTE LAKE	3 282			2 073	1 565	508		19 094	
CHARM 103-09W6									
TOTAL-CHARM	57			38		38		1 384	
CHARRON 069-16W4									
GRAND RAPIDS A	742	0.60	0.05	423	253	170	37	6 358	3 223
GROSMONT A	1 238	0.60	0.05	706	501	205	37	7 567	5 142
OTHER	1 476			882	302	580		21 535	
TOTAL-CHARRON	3 456			2 011	1 056	955		35 460	
CHAUVIN 043-01W4									
TOTAL-CHAUVIN	760			374	6	368		12 895	
CHAUVIN SOUTH 042-02W4									
TOTAL-CHAUVIN SOUTH	2 478			1 502	516	986		34 085	
CHEDDERVILLE 037-07W5									
LEDUC A	2 440	0.75	0.15	1 556	1 408	148	39	5 754	1 581
LEDUC B	1 094	0.80	0.10	788	265	523	39	20 528	200
OTHER	185			104	7	97		3 881	
TOTAL-CHEDDERVILLE	3 719			2 448	1 680	768		30 163	
CHERRILL 056-05W5									
BANFF A SOLN	832	0.31	0.65	90b			40		
BANFF A ASSOC	365	0.85	0.10	279b	174b	195	40	7 759	448
BANFF F SOLN	635	0.65	0.20	330b			40		
BANFF F ASSOC	208	0.70	0.10	131b	213b	248	40	9 930	364
BANFF H ASSOC	226	0.70	0.10	142b			39		286
BANFF H SOLN	544	0.65	0.15	301b			39		
BANFF H ASSOC	2	0.70	0.10	1b			39		5
BANFF H ASSOC	135	0.70	0.10	86b			39		253
BANFF H ASSOC	85	0.70	0.10	54b			40		176
BANFF H TOTAL	992	0.65	0.15	584b	216b	368	39	14 496	
OTHER	2 921			1 868	557	1 311		50 746	
TOTAL-CHERRILL	5 953			3 282	1 160	2 122		82 931	
CHERPETA 074-19W4									
NISKU A	3 052	0.70	0.05	2 029		2 029	37	74 485	4 690
OTHER	1 358			755	7	748		27 753	
TOTAL-CHERPETA	4 410			2 784	7	2 777		102 238	
CHERRY (SA) 008-12W4									
TOTAL-CHERRY	43			31		31		1 062	
CHICKADEE 062-16W5									
GETHING D ASSOC	1 040	0.80	0.10	749	171	578	39	22 698	1 971
GETHING A	1 280	0.75	0.10	864	255	609	39	23 483	2 442
GETHING G	436	0.80	0.10	314	24	290	40	11 568	850
SW HL 062-16	557	0.85	0.20	378		378	40	15 162	564
OTHER	531			327	101	226		8 896	
TOTAL-CHICKADEE	3 844			2 632	551	2 081		81 807	
CHICKEN 062-07W6									
TOTAL-CHICKEN	731			485	93	392		15 423	
CHIGWELL 041-24W4									
MANNVILLE A	790	0.80	0.10	569	569	< 1	39	-	711
MANNVILLE J	1 733	0.75	0.10	1 170	355	815	39	31 850	1 241
OTHER	4 532			2 757	801	1 956		76 611	
TOTAL-CHIGWELL	7 055			4 496	1 725	2 771		108 461	
CHIGWELL NORTH 042-24W4									
TOTAL-CHIGWELL NORTH	188			118	2	116		4 566	
CHIME 061-05W6									
TOTAL-CHIME	940			672		672		26 778	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
								1964	1992	TRWENR DIRECT CNG PANALTA BVI SHELL
2.83 7.57	0.309 0.135	0.70 0.50	2 160 2 620	16 23	0.956 0.951	0.55 0.57	302.4 464.0	1974 1974	1993 1991	PROGAS HOME PRODUCTION DECLINE PRODUCTION DECLINE
11.14 47.00	0.065 0.060	0.90 0.90	30 430 27 990	134 110	0.986 0.964	0.71 0.64	3 551.7 3 631.7	1967 1987	1992 1989	TALISMA PANALTA AMOCO HOME PRODUCTION DECLINE GULF
5.06 4.18 5.26	0.181 0.167 0.184	0.70 0.65 0.70	10 910 11 250 10 810	41 46 48	0.777 0.795 0.821	0.71 0.69 0.66	1 299.8 1 450.7 1 357.9	1966 1966 1981 1981 1987 1973 1973 1973 1973 1973 1973 1973	1993 1993 1987 1987 1987 1990 1990 1988 1988 1988 1988 1990	CWNGNUL PANALTA TCPL CONCURRENT PRODUCTION CWNGNUL PANALTA TCPL CONCURRENT PRODUCTION NORCEN CONCURRENT PRODUCTION NORCEN CONCURRENT PRODUCTION CONCURRENT PRODUCTION CONCURRENT PRODUCTION CONCURRENT PRODUCTION SUMMIT CONCURRENT PRODUCTION
2.40 3.03 2.80	0.270 0.215 0.198	0.55 0.70 0.75	10 810 10 810 10 810	48 48 48	0.821 0.821 0.821	0.66 0.66 0.65	1 372.2 1 343.7 1 329.5	1973 1973 1973 1973 1973 1973 1973	1988 1988 1988 1988 1988 1988 1990	
23.91	0.177	0.65	2 370	25	0.956	0.58	612.2	1975	1993	
4.44 4.97 4.56 6.53	0.150 0.142 0.134 0.088	0.60 0.55 0.55 0.80	14 000 14 110 14 420 27 870	76 73 58 117	0.864 0.859 0.811 0.946	0.64 0.66 0.67 0.73	1 856.7 1 863.8 1 900.4 2 978.4	1980 1978 1977 1976	1989 1987 1987 1990	PROGAS CONCURRENT PRODUCTION PROGAS PANALTA PROGAS PROGAS
6.49 8.72	0.173 0.159	0.65 0.80	11 530 11 930	64 56	0.834 0.819	0.70 0.69	1 571.2 1 573.7	1952 1977	1985 1988	ESSO PANALTA CANST

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
CHIN COULEE 007-14W4 TOTAL-CHIN COULEE	103			43	11	32		1 018	
CHINCHAGA 097-06W6 SLAVE POINT A	1 389	0.80	0.10	1 000	606	394	38	15 086	1 649
OTHER	500			333		333		12 773	
TOTAL-CHINCHAGA	1 889			1 333	606	727		27 859	
CHINCHAGA NORTH 098-07W6 DEBOLT-DETRITAL A	3 158	0.80	0.05	2 400	1 430	970	37	35 851	2 622
OTHER	422			259	106	153		5 806	
TOTAL-CHINCHAGA NORTH	3 580			2 659	1 536	1 123		41 657	
CHINOOK 029-08W4 BELLY RIVER A	367	0.90	0.05	314	308	6	37	222	4 403
OTHER	804			494	156	338		12 550	
TOTAL-CHINOOK	1 171			808	464	344		12 772	
CHINOOK RIDGE (SA) 065-13W6 CDOOT 12-065-13	841	0.90	0.10	681		681	39	26 838	440
NOTI 12-065-13	645	0.90	0.10	523		523	39	20 449	250
BELL 11-065-13	749	0.80	0.25	449		449	37	16 541	200
OTHER	319			230		230		9 064	
TOTAL-CHINOOK RIDGE	2 554			1 883		1 883		72 892	
CHIP LAKE 053-10W5 ROCK CREEK C ASSOC	502	0.90	0.10	407	396	11	40	441	428
OTHER	161			97	1	96		4 035	
TOTAL-CHIP LAKE	663			504	397	107		4 476	
CHIPMUNK (SA) 082-12W5 TOTAL-CHIPMUNK	33			24		24		879	
CHISHOLM 068-01W5 TOTAL-CHISHOLM	990			642	358	284		10 511	
CINDY 077-26W5 TOTAL-CINDY	294			194	87	107		4 047	
CLAIR 073-05W6 TOTAL-CLAIR	303			217		217		8 372	
CLARESHOLM 013-26W4 TOTAL-CLARESHOLM	1 622			1 065	356	709		27 237	
CLATTO (SA) 077-19W4 TOTAL-CLATTO	18			10		10		371	
CLAY 060-13W4 COLONY U	788	0.75	0.05	561	459	102	37	3 770	2 236
OTHER	1 826			1 014	434	580		21 462	
TOTAL-CLAY	2 614			1 575	893	682		25 232	
CLAYHURST 083-05W6 TOTAL-CLAYHURST	14			8		8		308	
CLEAR HILLS 088-10W6 TOTAL-CLEAR HILLS	186			118		118		4 468	
CLEAR PRAIRIE 091-12W6 TOTAL-CLEAR PRAIRIE	331			214		214		8 179	
CLEARWATER 035-12W5 RUNDLE A	11 361	0.80	0.10	8 180	1 058	7 122	38	273 342	2 052
TOTAL-CLEARWATER	11 361			8 180	1 058	7 122		273 342	
CLIFFDALE (SA) 084-17W5 TOTAL-CLIFFDALE	34			19		19		732	
CLIVE 040-24W4 D-2 A POOL 1 ASSOC	152	0.85	0.15	110b			35		316
D-2 A POOL 1 SOLN	1 057	0.53	0.40	336b			35		
D-2 A POOL 2 ASSOC	87	0.85	0.25	56b			44		319

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
7.02	0.082	0.65	20 600	93	0.842	0.84	2 147.5	1973	1984	PANALTA MATERIAL BALANCE
3.78	0.218	0.65	5 770	28	0.896	0.58	691.7	1978	1990	PANALTA PROGAS MATERIAL BALANCE
2.87	0.336	0.65	1 670	18	0.967	0.56	244.7	1972	1987	CWNGNUL ESSO MATERIAL BALANCE
7.09 9.87 19.80	0.200 0.200 0.120	0.70 0.70 0.65	22 750 23 440 37 510	98 112 150	0.906 0.927 1.040	0.67 0.67 0.69	2 807.1 2 881.6 4 303.0	1956 1956 1979	1981 1988 1983	HOME NORCEN BER HOME NORCEN BER HOME BER
4.61	0.140	0.80	21 370	57	0.803	0.73	1 856.9	1950	1992	PRODUCTION DECLINE OIL DEPLETED
3.10	0.284	0.70	3 610	28	0.936	0.58	520.1	1976	1993	PANALTA TALISMA KANNGAZ PRODUCTION DECLINE
36.00	0.064	0.90	35 250	94	1.023	0.63	4 189.0	1980	1990	SHELL MOBIL
5.58 2.63	0.060 0.059	0.85 0.85	17 100 17 090	67 67	0.847 0.693	0.75 0.75 0.90	1 883.8 1 831.6	1951 1951 1951	1991 1991 1991	CONING GAS CAP CONING GAS CAP

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
CLIVE 040-24W4 (CONTINUED)									
D-2 A POOL 3 ASSOC	865	0.85	0.35	478 ^b			43		1 413
D-2 A TOTAL	2 161	0.70	0.35	980 ^b	580 ^b	400	39	15 656	
D-3 A ASSOC	155	0.85	0.30	92			42		385
D-3 A SOLN	2 538	0.65	0.35	1 073			42		
D-3 A POOL 2 ASSOC	378	0.85	0.30	225			42		516
D-3 A POOL 3 ASSOC	462	0.85	0.30	275			40		451
D-3 A POOL 4 ASSOC	121	0.85	0.30	72			42		290
D-3 A ASSOC	7	0.85	0.30	4			42		20
D-3 A TOTAL	3 661	0.70	0.35	1 741	808	933	42	38 925	
OTHER	2 493			1 627	310	1 317		50 296	
TOTAL-CLIVE	8 315			4 348	1 698	2 650		104 877	
CLOUSTON (SA) 071-25W5									
TOTAL-CLOUSTON	68			46		46		1 766	
CLOVER 061-17W5									
TOTAL-CLOVER	215			149	43	106		4 102	
CLYDE LAKE 073-10W4									
TOTAL-CLYDE LAKE	55			34		34		1 268	
CLYDEN 075-13W4									
TOTAL-CLYDEN	377			232	14	218		8 084	
COALDALE 008-20W4									
TOTAL-COALDALE	598			353	268	85		2 966	
COLD LAKE 063-02W4									
COLONY A	389	0.90	0.05	333	283	50	37	1 840	604
COLONY D	358	0.90	0.05	306	296	10	37	372	945
OTHER	962			612	383	229		8 448	
TOTAL-COLD LAKE	1 709			1 251	962	289		10 660	
COLEMAN 009-04W5									
RUNDLE A	10 461	0.75	0.35	5 100			37		1 998
PALLISER B	3 428	0.75	0.25	1 928			37		657
RUNDLE A & PALLISER B TOTAL	13 889	0.75	0.35	7 028	2 904	4 124	37	152 753	
TOTAL-COLEMAN	13 889			7 028	2 904	4 124		152 753	
COLINTON 064-20W4									
TOTAL-COLINTON	810			516	157	359		13 490	
COLORADO 090-04W6									
TOTAL-COLORADO	294			167	62	105		3 883	
COLT 058-24W5									
TOTAL-COLT	484			325	3	322		12 586	
COLUMBIA 046-16W5									
VIKING A	1 544	0.80	0.15	1 050	49	1 001	40	40 520	1 580
NISKU B	891	0.70	0.40	374	313	61	37	2 248	128
OTHER	670			474	6	468		18 365	
TOTAL-COLUMBIA	3 105			1 898	368	1 530		61 133	
COMPEER 033-02W4									
UPPER MANNVILLE A	443	0.85	0.05	358	210	148	37	5 492	914
OTHER	837			587	325	262		9 767	
TOTAL-COMPEER	1 280			945	535	410		15 259	
COMREY 001-07W4									
BOW ISLAND	755	0.80	0.05	574	560	14	37	512	2 447
OTHER	556			374	158	216		7 884	
TOTAL-COMREY	1 311			948	718	230		8 396	
CONKLIN (SA) 075-07W4									
TOTAL-CONKLIN	55			31		31		1 148	
CONNEMARA 016-27W4									
TOTAL-CONNEMARA	424			312		312		11 666	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
6.11	0.060	0.80	17 070	67	0.684	0.89	1 850.2	1951	1992	TCPL NORCEN POCO CONING GAS CAP
4.04	0.058	0.85	17 570	67	0.728	0.83	1 880.9	1951	1991	
7.62	0.056	0.85	17 600	67	0.728	0.83	1 910.1	1952	1993	
8.16	0.068	0.85	17 570	57	0.697	0.90	1 880.8	1952	1992	
3.94	0.062	0.85	17 550	67	0.728	0.83	1 874.8	1952	1991	TCPL POCO RIFE
2.40	0.090	0.85	17 600	67	0.729	0.84	1 900.6	1952	1993	
1.68	0.304	0.70	2 300	20	0.955	0.57	270.0	1952	1990	TRWENR AMERADA PRODUCTION DECLINE TRWENR PRODUCTION DECLINE
2.27	0.326	0.65	2 300	18	0.954	0.57	274.7	1952	1993	
28.86	0.068	0.85	30 950	67	0.844	0.76	3 044.3	1969	1989	MATERIAL BALANCE MATERIAL BALANCE HOME AMERADA
32.66	0.041	0.80	33 700	102	0.958	0.71	3 586.8	1969	1984	
								1969	1989	
4.09	0.124	0.75	31 500	89	0.963	0.67	3 051.2	1979	1991	CHEL HUSKY HOME ENCOR TOP/BASE TVD, DEEP CUT SL CNG HUSKY PANALTA AMOCO PRODUCTION DECLINE
17.00	0.098	0.85	59 770	127	1.170	0.81	4 213.5	1980	1989	
3.39	0.272	0.70	6 890	26	0.873	0.59	864.4	1956	1990	SHELL SASKEN WESTGAS CRESTAR
5.86	0.250	0.50	5 340	27	0.902	0.59	755.6	1952	1992	CMG PRODUCTION DECLINE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
CONNORSVILLE 025-15W4									
MILK RIVER A	1 017	0.70	0.05	676			36		17 117
MEDICINE HAT A	2 827	0.70	0.03	1 920			36		25 598
SE ALTA GAS SYS (MU) TOTAL	3 844	0.70	0.05	2 596	120	2 476	36	90 300	
VIKING A	527	0.60	0.05	300	144	156	38	5 875	1 443
GLAUCONITIC A	312	0.85	0.10	239			39		440
GLAUCONITIC B	31	0.75	0.05	22			38		128
GLAUCONITIC C	196	0.75	0.05	140			38		738
GLAUCONITIC E	152	0.75	0.10	103			39		150
GLAUCONITIC I	32	0.75	0.10	22			39		150
ELLERSLIE A	3 875	0.80	0.10	2 790			39		9 759
GLAUC ABCEI & ELSERS A TOTAL	4 598	0.80	0.10	3 316	1 783	1 533	39	60 017	
OTHER	986			682	183	499		18 885	
TOTAL-CONNORSVILLE	9 955			6 894	2 230	4 664		175 077	
CONRAD 005-15W4									
TOTAL-CONRAD	13			9		9		310	
COOKING LAKE 052-22W4									
TOTAL-COOKING LAKE	171			108	9	99		3 617	
CORAL 046-05W5									
TOTAL-CORAL	235			156		156		5 814	
CORBETT 061-07W5									
VIKING A	514	0.90	0.10	417	417	< 1	39	-	1 662
OTHER	227			147	14	133		5 074	
TOTAL-CORBETT	741			564	431	133		5 074	
CORDEL 042-16W5									
TV 042-16	1 619	0.50	0.15	688		688	39	26 591	400
TV 042-16	2 870	0.50	0.15	1 220		1 220	39	47 153	800
TOTAL-CORDEL	4 489			1 908		1 908		73 744	
CORNER 080-09W4									
TOTAL-CORNER	766			397		397		14 847	
CORNWALL 070-26W5									
TOTAL-CORNWALL	71			54		54		2 047	
CORRIN 061-13W4									
TOTAL-CORRIN	1 623			1 002	532	470		17 209	
COUNTESS 020-16W4									
MILK RIVER A	11 276	0.70	0.05	7 498			36		91 927
MEDICINE HAT A	12 470	0.70	0.03	8 467			36		113 356
MEDICINE HAT C	310	0.50	0.03	150			36		8 729
MEDICINE HAT D	124	0.50	0.03	60			36		4 304
SECOND WHITE SPECKS A	705	0.80	0.05	536			36		5 363
SE ALTA GAS SYS (MU) TOTAL	24 885	0.70	0.05	16 711	2 207	14 504	36	528 961	
SECOND WHITE SPECKS B	538	0.80	0.05	409		409	37	14 945	3 932
BOW ISLAND A	1 037	0.65	0.05	640			37		7 472
BOW ISLAND A	93	0.75	0.05	67			36		400
BOW ISLAND A TOTAL	1 130	0.65	0.05	707	565	142	37	5 268	
BASAL COLORADO A		0.91	0.05				36		25 583
BASAL COLORADO A		0.91	0.05				36		10 568
BASAL COLORADO A		0.91	0.05				36		2 163
BASAL COLORADO A		0.91	0.05				36		2 560
BASAL COLORADO A TOTAL	5 354	0.90	0.05	4 628	4 446	182	37	6 723	
UPPER MANNVILLE D ASSOC	417	0.75	0.10	282 ^b			37		437
UPPER MANNVILLE D SOLN	744	0.52	0.25	290 ^b			37		
UPPER MANNVILLE D ASSOC		0.75	0.10				37		15
UPPER MANNVILLE D ASSOC		0.75	0.10				37		261
UPPER MANNVILLE D ASSOC		0.75	0.10				37		12
UPPER MANNVILLE D ASSOC		0.75	0.10				37		7
UPPER MANNVILLE D ASSOC		0.75	0.10				37		8
UPPER MANNVILLE D TOTAL	1 161	0.60	0.20	572 ^b	555 ^b	17	37	634	
UPPER MANNVILLE S	460	0.80	0.10	331	322	9	39	349	665

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
2.50	0.154	0.55	3 140	16	0.937	0.56	477.8	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
2.56	0.170	0.55	4 310	17	0.916	0.56	585.6	1904	1987	PART OF MED HAT POOL NO.1
								1904	1983	TARRAGN KANNGAZ CNG TCPL CWNGNUL PANALTA
2.21	0.206	0.60	7 570	36	0.872	0.60	927.6	1956	1980	ESSO AMERADA CANST NORCEN PANCDN CRESTAR
6.17	0.175	0.60	9 260	29	0.796	0.66	1 064.8	1963	1982	TCPL CRESTAR MATERIAL BALANCE
2.70	0.200	0.45	9 310	40	0.850	0.61	1 102.5	1964	1984	PART OF ELRSL POOL NO.1
1.85	0.225	0.60	9 340	29	0.826	0.61	1 079.1	1975	1976	PART OF ELRSL POOL NO.1
9.10	0.190	0.55	9 690	42	0.821	0.66	1 069.9	1976	1988	PART OF ELRSL POOL NO.1
2.90	0.100	0.70	9 220	35	0.816	0.65	1 131.9	1987	1988	PART OF ELRSL POOL NO.1
3.68	0.174	0.55	9 720	35	0.796	0.67	1 116.8	1963	1991	PART OF ELRSL POOL NO.1
								1963	1988	TCPL PANALTA BVI PANCDN CRESTAR PART OF ELRSL POOL NO.1
2.06	0.200	0.55	8 270	44	0.856	0.64	1 024.2	1971	1990	
15.15	0.084	0.80	29 840	106	0.982	0.64	3 823.4	1979	1991	SHELL GULF TOP/BASE TVD
20.75	0.059	0.80	31 430	100	0.989	0.64	3 596.5	1979	1991	SHELL GULF TOP/BASE TVD
8.07	0.154	0.55	3 140	16	0.938	0.56	426.6	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
2.55	0.170	0.55	4 310	17	0.916	0.56	540.5	1904	1993	PART OF MED HAT POOL NO.1
0.90	0.139	0.60	4 450	19	0.916	0.56	532.6	1973	1992	PART OF MED HAT POOL NO.3
0.73	0.139	0.60	4 450	19	0.916	0.56	563.4	1973	1988	PART OF MED HAT POOL NO.4
1.70	0.216	0.60	5 690	27	0.904	0.56	719.2	1944	1987	PART OF 2WS POOL NO.1
								1904	1993	POCO TCPL PANALTA PROGAS BVI HOME PANCDN
										CANST NORCEN CRESTAR
1.24	0.210	0.60	7 870	23	0.864	0.57	731.6	1990	1991	PANALTA TCPL
1.59	0.186	0.60	7 310	31	0.874	0.59	887.6	1951	1993	
1.85	0.240	0.65	7 560	32	0.879	0.59	925.4	1951	1991	
								1951	1992	TCPL
1.11	0.148	0.60	8 390	33	0.865	0.61	1 051.7	1951	1993	PRODUCTION DECLINE
0.56	0.168	0.55	8 390	33	0.865	0.61	1 007.6	1951	1993	PRODUCTION DECLINE
0.72	0.205	0.65	8 390	33	0.865	0.61	1 111.8	1951	1993	PRODUCTION DECLINE
0.50	0.164	0.70	8 390	33	0.865	0.61	1 180.2	1951	1993	PRODUCTION DECLINE
								1951	1993	TCPL PANCDN
2.45	0.238	0.75	11 000	35	0.821	0.64	1 051.8	1967	1992	PRODUCTION DECLINE CONCURRENT PRODUCTION
						0.64		1967	1992	PRODUCTION DECLINE CONCURRENT PRODUCTION
0.90	0.210	0.60	11 000	35	0.821	0.64	1 047.8	1967	1991	
1.59	0.247	0.80	11 000	35	0.821	0.64	1 047.9	1967	1991	PRODUCTION DECLINE
1.31	0.240	0.80	11 000	35	0.821	0.64	1 047.9	1967	1991	PRODUCTION DECLINE
0.71	0.160	0.75	11 000	35	0.821	0.64	1 072.2	1967	1991	PRODUCTION DECLINE
0.61	0.280	0.85	11 000	35	0.821	0.64	1 051.3	1967	1991	PRODUCTION DECLINE
								1967	1993	TCPL NORCEN PANCDN CONCURRENT PRODUCTION
3.69	0.240	0.75	10 420	49	0.841	0.64	1 279.2	1972	1986	TCPL MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
COUNTLESS 020-16W4 (CONTINUED)									
GLAUCONITIC III	2 414	0.80	0.10	1 738			39		6 731
UPPER MANNVILLE LL	70	0.75	0.10	48			39		150
GLAUC III&U MANN LL TOTAL	2 484	0.80	0.10	1 786	963	823	39	31 891	
OTHER	9 379			5 650	2 289	3 361		127 042	
TOTAL-COUNTLESS	45 391			30 794	11 347	19 447		715 813	
COUTTS 001-16W4									
TOTAL-COUTTS	254			112	17	95		3 573	
COWLUCK (SA) 058-06W6									
TOTAL-COWLUCK	104			74		74		2 609	
COYOTE 028-15W4									
TOTAL-COYOTE	1 058			689	355	334		12 802	
CRAIGEND 064-13W4									
VIKING A	5 290	0.40	0.05	2 010	22	1 988	37	73 337	71 743
GRAND RAPIDS E	523	0.65	0.05	323	157	166	37	6 112	4 897
GRAND RAPIDS H	483	0.75	0.05	344	134	210	37	7 818	252
GRAND RAPIDS P	884	0.75	0.05	630	416	214	37	7 850	1 152
MCMURRAY C	1 578	0.60	0.05	900	708	192	37	7 043	13 887
GROSMONT A	5 613	0.45	0.05	2 400	2 356	44	37	1 633	32 814
OTHER	9 996			6 203	3 185	3 018		111 358	
TOTAL-CRAIGEND	24 367			12 810	6 978	5 832		215 151	
CRAIGMYLE 032-17W4									
BELLY RIVER A		0.80	0.05				37		9 161
BELLY RIVER P		0.80	0.05				37		250
BELLY RIVER A & P TOTAL	2 014	0.80	0.05	1 530	1 024	506			
ELLERSLIE H	676	0.90	0.10	547	442	105	39	4 141	919
OTHER	2 225			1 399	471	928		35 195	
TOTAL-CRAIGMYLE	4 915			3 476	1 937	1 539		39 336	
CRANBERRY 096-04W6									
BLSK-DETR-OBLT NO. 1	2 587	0.70	0.05	1 720	1 066	654	36	23 838	5 531
SLAVE POINT A	15 148	0.80	0.15	10 300	4 659	5 641	40	226 543	27 219
SLAVE POINT B	1 519	0.79	0.20	960	899	61	41	2 524	1 692
GILWOOD B	609	0.80	0.10	439	16	423	38	16 218	797
OTHER	892			575	55	520		19 720	
TOTAL-CRANBERRY	20 755			13 994	6 695	7 299		288 843	
CRANFORD 008-19W4									
TOTAL-CRANFORD	106			70	70				
CRESSDAY (SA) 003-01W4									
TOTAL-CRESSDAY	62			45		45		1 665	
CROOKED 069-23W4									
TOTAL-CROOKED	580			372	60	312		11 574	
CROSSFIELD 029-01W5									
BASAL QUARTZ A	1 543	0.92	0.19	1 150	1 042	108	40	4 314	4 175
BASAL QUARTZ C	1 414	0.70	0.15	842	795	47	40	1 858	912
BASAL QUARTZ G	476	0.90	0.15	364	287	77	41	3 160	150
ROCK CREEK A	118	0.65	0.10	69			39		200
RUNDLE A	31 235	0.92	0.13	25 000			40		12 366
ROCK CK A & RUNDLE A TOTAL	31 353	0.90	0.15	25 069	22 649	2 420	40	96 994	
RUNDLE B	31 096	0.92	0.21	22 600	21 177	1 423	40	56 906	8 584
RUNDLE F	2 103	0.85	0.15	1 520	1 208	312	40	12 555	1 385
RUNDLE H	453	0.90	0.15	347	346	1	40	40	200
RUNDLE I	649	0.85	0.15	469	444	25	40	1 003	431
RUNDLE K	472	0.75	0.15	301	55	246	40	9 938	300
WABAMUN A	37 500	0.75	0.52	13 500	11 796	1 704	36	62 128	31 139

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
3.01	0.178	0.60	10 000	39	0.817	0.66	1 219.7	1954	1992	PART OF GLAUC POOL NO.6
6.90	0.150	0.40	10 000	38	0.817	0.65	1 218.3	1984	1986	PART OF GLAUC POOL NO.6
								1954	1993	TCPL PANCDN PART OF GLAUC POOL NO.6
1.98	0.234	0.45	3 350	16	0.932	0.57	338.0	1949	1991	CNG TCPL CWNGNUL NCMI PANALTA BVI ESSO
										KANNGAZ NORCEN CNRL AEC PART OF VIK POOL
										NO.6
2.22	0.286	0.65	2 540	20	0.952	0.56	355.6	1967	1991	TCPL PANALTA KANNGAZ
8.11	0.300	0.80	2 620	25	0.952	0.56	387.4	1969	1982	CNG PANALTA BVI MATERIAL BALANCE
6.17	0.269	0.80	2 570	18	0.952	0.56	371.2	1967	1990	TCPL MATERIAL BALANCE
2.50	0.265	0.70	2 930	26	0.947	0.57	524.6	1953	1989	CNG TCPL CWNGNUL PANALTA BVI AEC MATERIAL
										BALANCE
10.06	0.091	0.50	2 830	25	0.948	0.56	500.2	1961	1989	TALISMA TCPL CWNGNUL PANALTA AEC
										PRODUCTION DECLINE
4.08	0.245	0.55	3 100	24	0.944	0.56	589.4	1951	1992	MATERIAL BALANCE
4.60	0.300	0.60	3 280	21	0.938	0.57	514.8	1991	1992	MATERIAL BALANCE
								1951	1992	ULSTER WESTGAS TCPL SUMMIT SCEPTRE PROGAS
3.10	0.216	0.60	9 450	49	0.837	0.66	1 265.2	1978	1993	POCO PANALTA NCMI KANNGAZ ATCOR NRTHSTR
										SUMMIT NOVER PANALTA ATCOR PRODUCTION
										DECLINE
7.98	0.175	0.80	5 500	30	0.907	0.58	746.6	1973	1987	PANALTA AMERADA PART OF BLSKY-DETR-DBLT
										NO.1 MATERIAL BALANCE
5.76	0.069	0.70	21 270	90	0.833	0.83	2 223.6	1974	1992	PANALTA PROGAS NORCEN AMERADA
6.44	0.052	0.65	21 470	89	0.818	0.84	2 295.5	1980	1990	PROGAS PANALTA MATERIAL BALANCE
4.07	0.128	0.55	19 550	82	0.885	0.64	2 320.9	1975	1979	PANALTA PROGAS
2.62	0.116	0.70	16 720	71	0.837	0.71	2 229.5	1957	1987	TCPL NORCEN PRODUCTION DECLINE
5.43	0.112	0.70	17 190	70	0.847	0.68	2 111.2	1966	1990	TCPL PRODUCTION DECLINE
4.10	0.106	0.70	26 210	78	0.860	0.80	2 573.7	1965	1993	PRODUCTION DECLINE
3.60	0.140	0.80	15 280	75	0.850	0.66	2 523.0	1986	1988	
11.83	0.108	0.85	22 900	81	0.876	0.71	2 558.2	1956	1988	MATERIAL BALANCE PREVIOUS GAS CYCLING
								1956	1991	PROGAS TCPL GARDNER PREV GAS CYCLING,
										BLOWDOWN
20.72	0.061	0.85	21 110	71	0.830	0.73	2 263.7	1957	1988	HOME TCPL NORCEN MATERIAL BALANCE
7.61	0.111	0.75	22 720	83	0.874	0.72	2 503.7	1970	1986	MATERIAL BALANCE
12.65	0.115	0.90	22 900	79	0.861	0.75	2 560.2	1961	1992	TCPL PRODUCTION DECLINE
9.39	0.087	0.60	20 880	80	0.865	0.70	2 325.0	1972	1987	TCPL POCO PRODUCTION DECLINE
14.55	0.075	0.75	19 520	74	0.833	0.74	2 538.0	1987	1993	PROGAS
9.01	0.070	0.70	25 030	74	0.752	0.87	2 599.9	1954	1985	TCPL PRODUCTION DECLINE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
CROSSFIELD 029-01W5 (CONTINUED)									
OTHER	5 401			1 845	638	1 207		48 082	
TOTAL-CROSSFIELD	112 460			68 007	60 437	7 570		296 978	
CROSSFIELD EAST 030-01W5									
BASAL QUARTZ A	374	0.90	0.10	303	97	206	38	7 898	631
ELKTON A SOLN	207	0.60	0.20	99 ^b			41		
ELKTON A ASSOC	1 756	0.90	0.12	1 390 ^b	1 298 ^b	191	41	7 806	964
ELKTON D ASSOC	1 675	0.95	0.12	1 400 ^b			42		1 004
ELKTON D SOLN	516	0.60	0.25	233 ^b			42		
ELKTON D TOTAL	2 191	0.85	0.15	1 633 ^b	1 204 ^b	429	42	18 001	
WABAMUN A	33 333	0.80	0.55	12 000	10 737	1 263	37	46 100	21 741
WABAMUN B	1 091	0.75	0.45	450	297	153	39	5 953	3 316
OTHER	1 297			761	226	535		21 099	
TOTAL-CROSSFIELD EAST	40 249			16 636	13 859	2 777		106 857	
CROW (SA) 004-12W4									
TOTAL-CROW	24			16		16		567	
CRYSTAL 046-03W5									
VIKING A SOLN	1 343	0.43	0.15	490 ^b			42		
VIKING A ASSOC	364	0.65	0.15	201 ^b	334 ^b	357	42	14 830	805
VIKING J	918	0.85	0.10	702	590	112	40	4 471	1 889
OTHER	574			346	66	280		11 018	
TOTAL-CRYSTAL	3 199			1 739	990	749		30 319	
CULP 079-24W5									
DEBOLT A	846	0.70	0.10	533	4	529	38	20 049	256
OTHER	2 639			1 816		1 816		67 199	
TOTAL-CULP	3 485			2 349	4	2 345		87 248	
CUTBANK 064-09W6									
TOTAL-CUTBANK	2 060			1 472	434	1 038		40 578	
CUTPICK (SA) 060-06W6									
TOTAL-CUTPICK	77			56		56		2 242	
CYGNET 037-28W4									
TOTAL-CYGNET	2 899			1 792	581	1 211		48 526	
CYN-PEM 051-11W5									
ELLERSLIE A	360	0.85	0.10	275			41		929
ELLERSLIE D	151	0.75	0.10	102			40		150
ELLERSLIE F	26	0.75	0.10	18			40		32
ELLERSLIE G	15	0.75	0.10	10			40		32
ELLERSLIE H	21	0.75	0.10	14			39		150
ROCK CREEK A	2 572	0.75	0.10	1 736			39		5 633
ROCK CREEK A	171	0.75	0.10	115			39		400
ROCK CREEK E	136	0.75	0.10	92			41		641
ROCK CREEK H	93	0.70	0.10	59			40		200
ROCK CREEK O	156	0.75	0.10	105			40		200
ROCK CREEK P	335	0.75	0.15	213			39		1 257
ROCK CREEK Q	60	0.75	0.10	41			40		432
ROCK CREEK R	36	0.75	0.10	24			40		200
ELRS & ROCK CK MU #2 TOTAL	4 132	0.75	0.10	2 804	1 389	1 415	40	56 006	
OTHER	2 700			1 363	178	1 185		47 026	
TOTAL-CYN-PEM	6 832			4 167	1 567	2 600		103 032	
CYPRESS (SA) 007-02W4									
TOTAL-CYPRESS	13			8		8		290	
CZAR 041-05W4									
TOTAL-CZAR	1 071			686	89	597		21 208	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
2.41	0.154	0.80	19 890	60	0.852	0.63 0.75	2 305.8	1964 1960	1987 1989	TCPL TCPL MATERIAL BALANCE CONCURRENT PRODUCTION
10.33	0.062	0.80	20 860	77	0.840	0.75	2 269.1	1960	1989	TCPL MATERIAL BALANCE CONCURRENT PRODUCTION
9.96	0.118	0.85	20 910	77	0.824	0.76 0.76	2 316.5	1960 1960 1960	1992 1992 1991	MATERIAL BALANCE CONCURRENT PRODUCTION MATERIAL BALANCE CONCURRENT PRODUCTION TCPL CONCURRENT PRODUCTION
10.06	0.054	0.85	24 990	83	0.723	0.99	2 669.7	1960	1986	TCPL PANALTA PROGAS WESTGAS AMERADA INVRNS
8.90	0.060	0.75	24 890	74	0.741	0.91	2 662.8	1959	1981	GARDNER MATERIAL BALANCE PANALTA MATERIAL BALANCE
5.12	0.111	0.70	10 060	52	0.775	0.76	1 709.5	1978	1989	WESTGAS TCPL AEC PROGAS ATCOR ESSO SHELL PANCDN POCO CRESTAR GPP
5.32	0.137	0.75	10 160	70	0.859	0.67	1 600.5	1976	1993	WESTGAS TCPL AEC PROGAS ATCOR ESSO SHELL PANCDN POCO CRESTAR GPP ATCOR PANCDN SHELL WESTGAS PRODUCTION DECLINE
13.40	0.181	0.65	12 590	51	0.837	0.64	1 159.4	1973	1991	BVI AMOCO
2.46	0.118	0.80	16 890	77	0.823	0.71	2 248.7	1974	1988	
8.00	0.120	0.65	16 770	80	0.838	0.72	2 273.0	1983	1990	
7.20	0.109	0.60	16 750	65	0.802	0.72	2 214.0	1979	1992	
4.57	0.105	0.60	16 750	76	0.822	0.73	2 179.0	1977	1992	
1.52	0.090	0.60	16 720	68	0.826	0.68	2 261.8	1974	1988	
4.03	0.095	0.70	17 500	76	0.837	0.71	2 272.4	1973	1992	
3.70	0.097	0.70	17 500	76	0.838	0.71	2 239.1	1973	1993	
1.83	0.100	0.70	17 460	85	0.839	0.70	2 331.9	1976	1987	
3.96	0.110	0.65	16 890	79	0.834	0.72	2 213.1	1979	1989	
5.77	0.130	0.70	13 850	61	0.795	0.73	2 254.5	1980	1984	
3.15	0.100	0.55	17 020	81	0.888	0.64	2 266.9	1977	1992	
1.47	0.089	0.65	17 000	81	0.843	0.70	2 233.5	1977	1992	
1.70	0.090	0.60	19 950	79	0.832	0.76	2 346.5	1991 1973	1991 1992	SCEPTRE HOME KANNGAZ PANALTA PROGAS TCPL WESTGAS

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
DALEHURST 053-23W5 TOTAL-DALEHURST	365			276		276		10 743	
DALEMEAD (SA) 022-26W4 TOTAL-DALEMEAD	353			235		235		8 995	
DAPP 062-26W4 TOTAL-DAPP	198			134	45	89		3 371	
DARWELL (SA) 054-05W5 TOTAL-DARWELL	29			19		19		702	
DARWIN 094-18W5 TOTAL-DARWIN	33			22		22		824	
DAVEY 034-27W4 BELLY RIVER A	520	0.85	0.05	420	394	26	37	966	4 344
OTHER	1 507			851	132	719		26 572	
TOTAL-DAVEY	2 027			1 271	526	745		27 538	
DAWN (SA) 080-26W5 TOTAL-DAWN	11			5		5		194	
DAWSON 080-16W5 TOTAL-DAWSON	366			227		227		8 411	
DEADMAN (SA) 082-19W4 TOTAL-DEADMAN	32			17		17		646	
DEADWOOD 091-23W5 TOTAL-DEADWOOD	243			162	71	91		3 256	
DEANNE 038-11W5 GLAUCONITIC A	571	0.80	0.10	411	118	293	41	11 990	300
OTHER	88			56	43	13		534	
TOTAL-DEANNE	659			467	161	306		12 524	
DECRENE 071-02W5 UPPER MANNVILLE G	47	0.70	0.05	31			37		511
CLEARWATER A	1 128	0.80	0.05	857			37		4 278
CLEARWATER B	697	0.80	0.05	530			37		4 790
U MANN G, CLWT A & B TOTAL	1 872	0.80	0.05	1 418	628	790	37	29 530	
OTHER	872			547	209	338		12 593	
TOTAL-DECRENE	2 744			1 965	837	1 128		42 123	
DEEP 065-03W5 TOTAL-DEEP	292			194	72	122		4 597	
DEER 024-07W4 TOTAL-DEER	740			493		493		18 150	
DELIA 032-19W4 BELLY RIVER A	1 757	0.70	0.05	1 169	1 049	120	37	4 412	7 065
OTHER	1 934			1 201	251	950		35 364	
TOTAL-DELIA	3 691			2 370	1 300	1 070		39 776	
DEMAY 048-19W4 TOTAL-DEMAY	123			79	18	61		2 262	
DERWENT 054-07W4 TOTAL-DERWENT	428			291	74	217		8 082	
DESMARAIS 080-25W4 TOTAL-DESMARAIS	135			82		82		3 060	
DEVENISH 075-08W4 TOTAL-DEVENISH	126			63	18	45		1 641	
DEVIL 071-15W5 TOTAL-DEVIL	67			45		45		1 693	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
3.76	0.183	0.60	4 090	43	0.931	0.61	1 124.2	1974	1991	PANALTA KANNGAZ TCPL CWNGNUL PROGAS MATERIAL BALANCE
7.40	0.120	0.80	36 460	105	1.023	0.67	3 461.0	1983	1991	CWNGNUL NORCEN
1.37 3.37 1.95	0.340 0.273 0.279	0.60 0.65 0.60	3 140 4 340 4 350	17 30 28	0.938 0.924 0.922	0.56 0.56 0.57	416.7 543.7 551.8	1976 1976 1975	1993 1992 1992 1993	
4.47	0.246	0.55	3 080	22	0.943	0.57	642.5	1976	1992	ULSTER ESSO HUSKY NCMI PANALTA POCO WESTGAS AMERADA ENCOR PRODUCTION DECLINE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
DEWBERRY 053-04W4 TOTAL-DEWBERRY	283			198		198		7 248	
DICKINS (SA) 120-05W6 TOTAL-DICKINS	17			12		12		439	
DIMSDALE 071-07W6 PADDY A	2 240	0.80	0.05	1 702	921	781	38	29 803	1 592
OTHER	614			427		427		17 138	
TOTAL-DIMSDALE	2 854			2 129	921	1 208		46 941	
DINA 045-01W4 TOTAL-DINA	497			330		330		11 911	
DINANT 047-19W4 TOTAL-DINANT	290			191	56	135		4 952	
DIVIDE 082-13W4 TOTAL-DIVIDE	803			494	276	218		8 105	
DIXONVILLE 086-01W6 BLUESKY A	700	0.70	0.05	466	383	83	37	3 055	905
BLUESKY B	109	0.70	0.05	72			37		2 145
GETHING A	823	0.80	0.05	625			37		2 521
BLUESKY B & GETHING A TOTAL	932	0.80	0.05	697	507	190	37	7 112	
OTHER	1 624			1 034	357	677		24 753	
TOTAL-DIXONVILLE	3 256			2 197	1 247	950		34 920	
DIZZY (SA) 121-20W5 TOTAL-DIZZY	16			11		11		412	
DOBSON 029-09W4 TOTAL-DOBSON	501			325	174	151		5 461	
DOE 081-12W6 KISKATINAW A	460	0.95	0.05	415			38		387
KISKATINAW A	236	0.75	0.05	168			38		195
KISKATINAW A	115	0.65	0.05	71			38		579
KISKATINAW A TOTAL	811	0.85	0.05	654	297	357	38	13 659	
KISKATINAW B	1 045	0.85	0.05	844	196	648	38	24 805	607
OTHER	495			320	59	261		10 098	
TOTAL-DOE	2 351			1 818	552	1 266		48 562	
DOIG 090-10W6 TOTAL-DOIG	130			86		86		3 221	
DOLCY 041-04W4 TOTAL-DOLCY	150			101		101		3 546	
DONALDA 041-18W4 VIKING A		0.74	0.05				37		2 540
VIKING C		0.74	0.05				37		5 908
VIKING D		0.74	0.05				36		525
VIKING A, C & D TOTAL	649	0.75	0.05	456	431	25	37	920	
LOWER MANNVILLE G	405	0.80	0.05	308	40	268	38	10 096	1 765
OTHER	2 658			1 749	456	1 293		48 388	
TOTAL-DONALDA	3 712			2 513	927	1 586		59 404	
DORENLEE 043-20W4 TOTAL-DORENLEE	203			127	68	59		2 166	
DORIS 063-06W5 UPPER MANNVILLE A	497	0.85	0.10	380	7	373	40	14 778	771
OTHER	480			347	9	338		12 659	
TOTAL-DORIS	977			727	16	711		27 437	
DOSBURN (SA) 002-03W4 TOTAL-DOSBURN	43			30		30		1 110	
DOUCETTE 078-02W5 TOTAL-DOUCETTE	870			556	20	536		19 917	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
8.23	0.208	0.80	10 490	57	0.880	0.58	1 360.5	1980	1993	SHELL ESSO AMOCO PANCDN KANNGAZ
1.67	0.250	0.55	8 230	30	0.867	0.58	784.5	1972	1989	PRODUCTION DECLINE
0.64	0.211	0.60	6 070	33	0.903	0.56	727.0	1952	1990	
3.80	0.214	0.65	6 020	34	0.903	0.56	742.3	1952	1990	CWNGNUL PANALTA PROGAS
7.12	0.126	0.70	20 730	77	0.889	0.62	2 377.4	1965	1987	
4.72	0.150	0.85	21 490	71	0.884	0.62	2 391.3	1965	1987	
2.49	0.070	0.60	21 100	80	0.895	0.62	2 445.3	1965	1987	
4.24	0.122	0.85	20 980	79	0.894	0.62	2 488.8	1989	1993	DART PRODUCTION DECLINE
1.31	0.140	0.55	6 280	42	0.908	0.58	997.3	1960	1986	PRODUCTION DECLINE
2.05	0.204	0.60	6 280	42	0.908	0.58	1 010.0	1957	1986	PRODUCTION DECLINE
0.91	0.160	0.55	6 280	42	0.912	0.58	1 037.5	1960	1986	PRODUCTION DECLINE
2.16	0.187	0.65	8 460	45	0.866	0.64	1 193.3	1957	1991	ESSO CNG TCPL
								1986	1989	TCPL
3.87	0.240	0.70	9 000	39	0.828	0.64	982.5	1972	1975	TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
DOWLING LAKE 032-15W4 TOTAL-DOWLING LAKE	300			206	72	134		5 090	
DRIFTPILE 073-12W5 TOTAL-DRIFTPILE	43			28		28		1 047	
DRIFTWOOD 077-22W4 TOTAL-DRIFTWOOD	509			301		301		11 112	
DROWNED 076-23W4 TOTAL-DROWNED	507			323	213	110		4 096	
DRUMHELLER 029-19W4 MANNVILLE F SOLN	20	0.65	0.10	12 ^b			39		
MANNVILLE F ASSOC	412	0.90	0.10	334 ^b	327 ^b	19	39	746	1 267
MANNVILLE W	500	0.80	0.10	360	355	5	38	192	440
MANNVILLE CC	880	0.80	0.10	634	324	310	38	11 898	1 747
MANNVILLE G	752	0.85	0.10	575			39		1 544
MANNVILLE M	396	0.80	0.10	285			40		440
MANNVILLE G & M TOTAL	1 148	0.85	0.10	860	498	362	39	14 143	
UPPER MANNVILLE H	486	0.70	0.10	306	285	21	39	815	514
LOWER MANNVILLE E	442	0.85	0.10	338	296	42	39	1 621	276
OTHER	7 265			4 638	2 375	2 263		87 922	
TOTAL-DRUMHELLER	11 153			7 482	4 460	3 022		117 337	
DUAGH (SA) 055-23W4 TOTAL-DUAGH	15			10		10		367	
DUHAMEL 045-21W4 TOTAL-DUHAMEL	1 047			572	174	398		15 232	
DUNCAN 074-15W4 MCMURRAY F	2 235	0.65	0.05	1 380	959	421	37	15 640	28 808
MCMURRAY G	582	0.55	0.05	304	202	102	37	3 802	2 133
GROSMONT B	1 867	0.75	0.05	1 330	1 274	56	37	2 067	19 562
OTHER	2 031			1 117	217	900		33 383	
TOTAL-DUNCAN	6 715			4 131	2 652	1 479		54 892	
DUNVEGAN 081-04W6 PEACE RIVER A	643	0.70	0.05	428	310	118	37	4 397	2 664
GETHING B	657	0.85	0.05	530	406	124	38	4 732	636
DEBOLT A	4 355	0.80	0.05	3 310			39		11 070
DEBOLT B	19 736	0.80	0.05	15 000			39		13 340
DEBOLT C	12 158	0.80	0.05	9 240			39		10 402
DEBOLT D	189	0.70	0.10	119			39		200
DEBOLT D	40	0.70	0.10	25			39		200
DEBOLT D	241	0.70	0.10	152			39		200
DEBOLT D	186	0.70	0.10	117			39		200
DEBOLT D	136	0.70	0.10	86			39		200
ELKTON C	132	0.80	0.10	95			39		200
DEBOLT A,B,C & D TOTAL	37 173	0.80	0.05	28 144	18 365	9 779	39	377 567	
OTHER	5 698			4 052	722	3 330		126 546	
TOTAL-DUNVEGAN	44 171			33 154	19 803	13 351		513 242	
DUVERNAY 055-12W4 VIKING A	831	0.40	0.05	315			37		26 867
VIKING M	59	0.40	0.05	23			37		1 780
VIKING A & M TOTAL	890	0.40	0.05	338	206	132	37	4 872	
COLONY B	1 680	0.60	0.05	958	230	728	37	27 242	4 920
OTHER	6 005			4 037	1 391	2 646		98 587	
TOTAL-DUVERNAY	8 575			5 333	1 827	3 506		130 701	
DYBERG 044-23W4 TOTAL-DYBERG	542			363		363		13 568	
DYSON (SA) 018-05W5 TOTAL-DYSON	227			153		153		5 675	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN.	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
						0.66		1950	1993	TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION
2.76	0.150	0.65	9 990	40	0.815	0.66	1 285.8	1950	1993	TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION
4.70	0.227	0.70	9 770	39	0.836	0.63	1 246.0	1973	1992	TCPL PRODUCTION DECLINE
3.84	0.198	0.65	9 910	52	0.851	0.65	1 311.2	1976	1992	TCPL SCEPTRE PANALTA WESTGAS
2.78	0.233	0.70	9 550	37	0.815	0.66	1 288.5	1964	1992	TCPL PRODUCTION DECLINE
2.47	0.170	0.65	10 110	47	0.823	0.67	1 340.2	1969	1990	PRODUCTION DECLINE
4.16	0.157	0.60	9 450	45	0.837	0.66	1 345.6	1986	1993	CAN88IT ATCOR TCPL GARDNER
5.99	0.170	0.60	9 570	37	0.810	0.67	1 330.4	1974	1991	RENENER TCPL PRODUCTION DECLINE TCPL PRODUCTION DECLINE NONCOMMERCIAL OIL
3.02	0.286	0.45	2 030	27	0.964	0.57	526.3	1971	1992	PARAMNT NCMI BVI HOME CNRL PANALTA
2.52	0.305	0.75	2 000	16	0.959	0.56	487.2	1981	1992	PARAMNT PANALTA PRODUCTION DECLINE
9.89	0.129	0.30	2 050	27	0.963	0.57	580.4	1972	1991	PARAMNT HOME CNRL PANALTA MATERIAL BALANCE
3.64	0.265	0.70	2 240	24	0.959	0.56	452.6	1951	1993	PRODUCTION DECLINE DEEP CUT SL
2.73	0.240	0.80	9 030	41	0.864	0.60	913.9	1972	1991	MATERIAL BALANCE DEEP CUT SL
2.90	0.153	0.60	13 620	49	0.814	0.65	1 435.7	1963	1991	DEEP CUT SL
9.53	0.166	0.60	14 330	49	0.812	0.65	1 458.0	1963	1991	DEEP CUT SL
7.27	0.160	0.60	15 340	49	0.809	0.65	1 492.5	1952	1991	DEEP CUT SL
6.50	0.130	0.65	15 910	49	0.816	0.63	1 285.9	1972	1990	TP/BS TVD, DPCT SL, AS WELL 13-12-80-3W6
1.20	0.150	0.65	15 910	49	0.817	0.63	1 549.0	1972	1989	DEEP CUT SL
6.70	0.150	0.70	15 910	49	0.821	0.63	1 537.3	1972	1989	DEEP CUT SL, AS WELL 01-29-080-03W6M
6.60	0.130	0.70	14 700	54	0.826	0.64	1 534.5	1972	1989	DEEP CUT SL, AS WELL 06-22-080-03W6M
5.50	0.120	0.60	16 390	57	0.820	0.63	1 525.3	1972	1993	DEEP CUT SL, AS WELL 04-32-080-03W6M
4.00	0.120	0.85	15 670	59	0.828	0.66	1 613.9	1990	1991	
								1952	1993	ESSO DEEP CUT SL
0.69	0.215	0.50	3 930	18	0.921	0.57	469.1	1949	1991	PART OF VIK POOL NO.6
0.95	0.201	0.50	3 290	17	0.933	0.58	437.0	1953	1988	PART OF VIK POOL NO.6
								1949	1991	TCPL KANNGAZ CWNGNUL DIRECT SASKEN NCMI
3.92	0.279	0.70	4 300	25	0.920	0.57	536.7	1972	1984	PANALTA PANCDN NORCEN POCO PART OF VIK POOL NO.6 TCPL CWNGNUL DIRECT PANALTA

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
EAGLE BUTTE 007-05W4 TOTAL-EAGLE BUTTE	169			118	54	64		2 316	
EAGLESHAM 077-25W5									
DEBOLT A	542	0.75	0.10	366	18	348	39	13 569	742
DEBOLT E	92	0.75	0.10	62			39		200
DEBOLT G	375	0.90	0.10	304			39		400
DEBOLT E & G TOTAL	467	0.85	0.10	366	160	206	39	7 956	
WAB 32-077-25	544	0.80	0.10	392		392	33	12 826	200
WAB 34-077-25	777	0.85	0.15	561		561	33	18 777	200
OTHER	1 690			1 181	448	733		27 805	
TOTAL-EAGLESHAM	4 020			2 866	626	2 240		80 933	
EAGLESHAM NORTH 078-25W5 TOTAL-EAGLESHAM NORTH	447			293	65	228		8 259	
EARRING 083-08W6 TOTAL-EARRING	1 499			1 038	74	964		36 778	
EASTMONT 012-27W4 TOTAL-EASTMONT	311			237	193	44		1 716	
ECONOMY (SA) 068-02W6 TOTAL-ECONOMY	52			35		35		1 353	
EDBERG 044-19W4 TOTAL-EDBERG	663			428	21	407		14 956	
EDGERTON 045-04W4 TOTAL-EDGERTON	1 208			805	420	385		13 726	
EDMONTON (SA) 053-25W4 TOTAL-EDMONTON	37			23		23		865	
EDRA (SA) 099-25W4 TOTAL-EDRA	109			66		66		2 335	
EDSON 052-18W5									
CARDIUM C SOLN	1 231	0.65	0.25	600 ^b			42		
CARDIUM C ASSOC	2	0.75	0.15	2 ^b	469 ^b	133	42	5 558	200
CARDIUM K ASSOC	7	0.65	0.10	5 ^b			42		64
CARDIUM K SOLN	1 818	0.65	0.10	1 064 ^b			42		
CARDIUM&BLUESKY MU#1 TOTAL	1 825	0.65	0.10	1 069 ^b	589 ^b	480	42	20 184	
VIKING A	894	0.85	0.10	684	656	28	40	1 114	440
VIKING B	3 704	0.75	0.10	2 500	1 508	992	39	39 045	5 555
VIKING D	1 840	0.95	0.10	1 573	1 567	6	39	235	1 319
GETHING A	6 750	0.80	0.05	5 130	4 364	766	40	30 747	4 029
GETHING G	1 876	0.50	0.25	704	123	581	41	23 978	1 984
ROCK CREEK A	544	0.90	0.10	441		441	41	17 953	200
ELKTON A		0.85	0.10				39		45 499
SHUNDA A		0.85	0.10				39		440
SHUNDA B		0.85	0.10				39		440
ELK A, SHUN A & B TOTAL	56 470	0.85	0.10	43 200	39 514	3 686	39	142 132	
BLUERIDGE B	2 800	0.80	0.15	1 904	1 107	797	39	30 788	3 232
OTHER	6 645			4 074	796	3 278		129 703	
TOTAL-EDSON	84 581			61 881	50 693	11 188		441 437	
EDWARD 060-16W4									
COLONY F	53	0.65	0.05	32			37		598
GRAND RAPIDS S	84	0.70	0.05	56			38		883
GRAND RAPIDS EE	60	0.70	0.05	40			38		821
GRAND RAPIDS FF	116	0.65	0.05	71			38		790
GRAND RAPIDS HH	33	0.65	0.05	20			37		300
GRAND RAPIDS KK	30	0.80	0.05	23			37		75
GRAND RAPIDS LL	20	0.65	0.05	12			37		200
GRAND RAPIDS MM	60	0.80	0.05	46			37		200
CLEARWATER C	16	0.65	0.05	10			37		200
CLEARWATER D	16	0.65	0.05	10			37		200
GROSMONT C	50	0.60	0.05	29			37		300
GROSMONT D	8	0.50	0.05	4			37		200
GR RP, CLWT&GSMT MU#1 TOTAL	546	0.70	0.05	353	101	252	38	9 458	
GRAND RAPIDS A	178	0.70	0.05	119			37		1 620
GRAND RAPIDS C	307	0.70	0.05	204			37		1 845

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
EDWAND 060-16W4 (CONTINUED)									
GRAND RAPIDS D	37	0.70	0.05	25			37		200
GRAND RAPIDS F	16	0.75	0.05	11			37		254
GRAND RAPIDS A.C.D&F TOTAL	538	0.70	0.05	359	224	135	37	5 049	
NISKU A	583	0.60	0.05	333	116	217	37	8 064	1 207
NISKU D	1 240	0.60	0.05	707	510	197	36	7 137	1 868
OTHER	4 911			3 144	1 405	1 739		64 907	
TOTAL-EDWAND	7 818			4 896	2 356	2 540		94 615	
ELIZA 055-08W4									
TOTAL-ELIZA	445			307		307		11 394	
ELKWATER 008-03W4									
SECOND WHITE SPECKS A	623	0.65	0.05	385	3	382	36	13 939	5 720
OTHER	1 994			1 251	4	1 247		45 433	
TOTAL-ELKWATER	2 617			1 636	7	1 629		59 372	
ELLERSLIE 051-24W4									
TOTAL-ELLERSLIE	57			35	35				
ELLS 096-16W4									
TOTAL-ELLS	516			250		250		9 168	
ELLSCOTT 064-21W4									
TOTAL-ELLSCOTT	742			499	207	292		10 992	
ELMWORTH 070-11W6									
CADOTTE A	3 537	0.60	0.10	1 910	551	1 359	39	52 580	7 669
CADOTTE C	910	0.60	0.10	491	2	489	39	18 919	2 391
FALHER A-22	537	0.85	0.15	388	64	324	40	12 824	500
FALHER A-27	675	0.75	0.15	430	54	376	40	14 916	500
FALHER B-9	1 441	0.85	0.15	1 041	935	106	39	4 164	5 080
FALHER B-11	613	0.75	0.15	391	335	56	40	2 222	250
FALHER B-12	941	0.85	0.15	680	651	29	39	1 140	1 757
BLSK 070-06	1 005	0.80	0.20	643		643	40	25 566	1 191
CADOTTE D	579	0.60	0.10	313			39		1 784
FALHER A-1	10 048	0.85	0.15	7 260			40		37 632
FALHER A-2	2 795	0.85	0.15	2 020			40		12 853
FALHER A-4	289	0.75	0.15	184			40		2 479
FALHER A-5	356	0.70	0.15	212			39		3 849
FALHER A-7	249	0.85	0.15	180			39		2 199
FALHER A-10	7 889	0.85	0.15	5 700			39		20 431
FALHER A-16	112	0.75	0.15	71			39		1 046
FALHER A-21	93	0.75	0.15	60			40		250
FALHER B-1	3 378	0.85	0.15	2 440			39		11 996
FALHER B-2	798	0.85	0.15	576			39		1 978
FALHER B-3	3 793	0.85	0.15	2 740			39		8 946
FALHER B-4	4 907	0.85	0.15	3 545			39		12 684
FALHER B-5	16	0.75	0.20	10			41		128
FALHER B-14	212	0.85	0.15	153			39		794
FALHER B-15	216	0.70	0.05	143			38		1 007
FALHER B-16	211	0.75	0.20	126			39		500
FALHER C-2	56	0.75	0.15	36			40		250
FALHER C-3	43	0.75	0.20	26			38		250
FALHER D-2	892	0.85	0.10	682			39		2 876
FALHER D-3	32	0.75	0.15	20			39		250
FALHER D-6	68	0.70	0.10	43			38		500
BLUESKY A	197	0.70	0.25	104			42		400
GETHING A	48	0.50	0.10	22			38		150
CADOMIN A	8 286	0.70	0.15	4 930			38		29 315
FT ST JOHN& BLHD MU#1 TOTAL	45 563	0.80	0.15	31 596	18 949	12 647	39	495 004	
HALFWAY A	693	0.70	0.25	364		364	36	13 064	1 058
HALFWAY B	502	0.85	0.20	342	139	203	41	8 353	1 064
OTHER	14 321			9 084	1 577	7 507		293 486	
TOTAL-ELMWORTH	70 738			47 360	23 257	24 103		942 238	
ELNORA 035-22W4									
UPPER MANNVILLE A	692	0.75	0.05	493			38		4 735
LOWER MANNVILLE A	324	0.90	0.10	263			40		4 283

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
2.40 0.83	0.290 0.300	0.70 0.65	3 790 3 790	30 30	0.933 0.933	0.58 0.57	539.4 534.8	1951 1951 1951	1989 1988 1992	TCPL ATCOR HILL LOMALTA CNRL TCPL LOMALTA CNRL HILL PRODUCTION DECLINE AMOCO TCPL CNRL AMERADA MATERIAL BALANCE
3.83 13.91	0.160 0.154	0.75 0.80	3 440 3 430	23 23	0.936 0.937	0.56 0.57	649.4 671.0	1972 1972	1983 1985	
2.12	0.188	0.50	5 330	32	0.910	0.60	974.8	1970	1992	ALTROAN CRESTAR
4.03 3.32 8.05 4.75 3.68 5.52 5.81 5.23 3.81	0.096 0.106 0.116 0.092 0.066 0.080 0.080 0.144 0.093	0.65 0.70 0.75 0.65 0.65 0.70 0.60 0.70 0.65	12 870 12 160 15 690 14 430 15 290 14 890 15 320 15 620 12 700	64 64 70 59 69 80 69 65 64	0.862 0.866 0.849 0.827 0.855 0.866 0.855 0.821 0.858	0.61 0.61 0.64 0.65 0.62 0.64 0.63 0.68 0.62	1 858.3 1 664.8 1 689.9 1 678.1 2 127.7 1 977.0 1 883.5 1 848.8 1 793.5	1970 1978 1979 1983 1978 1981 1979 1979 1978	1989 1985 1988 1993 1992 1992 1993 1989 1990	AMOCO ESSO TCPL PANALTA PROGAS DEEP CUT SL TCPL PANALTA DEEP CUT SL PROGAS DEEP CUT SL PRODUCTION DECLINE DEEP CUT SL TCPL PRODUCTION DECLINE DEEP CUT SL TCPL PRODUCTION DECLINE DEEP CUT SL TCPL PRODUCTION DECLINE DEEP CUT SL TCPL PRODUCTION DECLINE DEEP CUT SL PANCDN DEEP CUT SL TCPL PANALTA PART OF CDM POOL NO.1 DEEP CUT SL
4.38 2.97 2.06 1.77 2.05 5.38	0.070 0.070 0.058 0.060 0.064 0.077	0.60 0.70 0.65 0.60 0.60 0.65	14 940 15 400 15 470 14 800 14 090 15 030	71 71 71 69 64 72	0.851 0.852 0.852 0.849 0.828 0.864	0.64 0.65 0.64 0.63 0.67 0.63	1 995.1 2 119.0 2 074.6 1 998.5 1 922.1 2 067.8	1970 1977 1978 1976 1978 1977	1993 1991 1985 1987 1987 1992	PART OF CDM POOL NO.1 DEEP CUT SL PART OF CDM POOL NO.1 DEEP CUT SL PART OF CDM POOL NO.1 DEEP CUT SL PART OF CDM POOL NO.1 DEEP CUT SL PART OF CDM POOL NO.1 DEEP CUT SL PART OF CDM POOL NO.1 DEEP CUT SL NONCOMMERCIAL OIL
2.61 3.40 4.07 4.88 6.26 4.86 2.02 3.12 3.90 5.55 3.09 1.50 3.26 1.83 3.05	0.056 0.110 0.079 0.102 0.080 0.080 0.061 0.100 0.073 0.065 0.080 0.080 0.096 0.070 0.055	0.50 0.70 0.65 0.55 0.65 0.65 0.70 0.65 0.55 0.75 0.60 0.70 0.65 0.70 0.60	15 560 14 630 13 920 15 150 13 550 15 630 15 120 13 640 15 310 15 410 15 570 22 750 15 340 14 550 15 170	76 71 69 69 69 69 81 69 82 73 71 85 66 70 85	0.869 0.853 0.859 0.855 0.865 0.849 0.852 0.861 0.895 0.811 0.851 0.877 0.844 0.857 0.897	0.63 0.64 0.63 0.62 0.62 0.65 0.67 0.62 0.60 0.75 0.63 0.72 0.63 0.63 0.61	2 248.6 1 819.0 1 919.2 1 883.7 1 852.0 2 063.1 1 995.8 1 937.1 2 264.3 2 114.9 2 034.0 2 103.8 1 959.3 2 016.0 2 316.0	1980 1980 1955 1977 1978 1976 1979 1955 1978 1980 1977 1988 1978 1976 1978 1979	1990 1991 1990 1990 1991 1992 1985 1986 1990 1993 1988 1988 1988 1988 1992	PART OF CDM POOL NO.1 DEEP CUT SL PART OF CDM POOL NO.1 DEEP CUT SL PART OF CDM POOL NO.1 DEEP CUT SL TCPL PART OF CDM POOL NO.1 DEEP CUT SL PART OF CDM POOL NO.1 DEEP CUT SL PART OF CDM POOL NO.1 DEEP CUT SL PART OF CDM POOL NO.1 DEEP CUT SL PART OF CDM POOL NO.1 DEEP CUT SL PART OF CDM POOL NO.1 DEEP CUT SL PART OF CDM POOL NO.1 DEEP CUT SL PART OF CDM POOL NO.1 DEEP CUT SL PART OF CDM POOL NO.1 DEEP CUT SL PART OF CDM POOL NO.1 DEEP CUT SL PART OF CDM POOL NO.1 DEEP CUT SL TCPL PANALTA PART OF CDM POOL NO.1 DEEP CUT SL
3.75 3.00 4.84	0.093 0.090 0.051	0.65 0.60 0.70	24 100 25 160 18 420	88 103 88	0.873 0.957 0.887	0.71 0.60 0.65	2 501.8 2 605.4 2 522.0	1978 1981 1977	1991 1991 1990	PART OF CDM POOL NO.1 DEEP CUT SL PART OF CDM POOL NO.1 DEEP CUT SL ATCOR TCPL PANALTA PROGAS PART OF CDM POOL NO.1 DEEP CUT SL
4.73 2.95	0.078 0.111	0.70 0.70	29 750 24 130	89 101	0.921 0.891	0.70 0.73	2 642.0 2 317.5	1955 1978 1981	1993 1980 1988	PART OF CDM POOL NO.1 DEEP CUT SL TCPL PROGAS PROGAS DEEP CUT SL
1.37 2.48	0.184 0.173	0.70 0.65	8 200 8 860	48 49	0.877 0.835	0.62 0.68	1 537.8 1 540.9	1969 1969	1993 1993	PRODUCTION DECLINE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
ELNORA 035-22W4 (CONTINUED)									
U MANN A & L MANN A TOTAL	1 016	0.80	0.05	756	604	152	38	5 847	
OTHER	2 474			1 488	455	1 033		39 934	
TOTAL-ELNORA	3 490			2 244	1 059	1 185		45 781	
EMPRESS 024-02W4									
TOTAL-EMPRESS	251			180		180		6 556	
ENCHANT 014-16W4									
BOW ISLAND I	428	0.80	0.05	325	305	20	35	707	6 680
BASAL COLORADO A	780	0.85	0.05	630	619	11	38	413	4 147
UPPER MANNVILLE A	711	0.75	0.10	480	439	41	38	1 540	2 598
UPPER MANNVILLE E	1 249	0.80	0.05	949	372	577	36	20 939	5 408
UPPER MANNVILLE L	527	0.90	0.10	427	62	365	37	13 465	1 830
LIVINGSTONE G	433	0.80	0.10	311	13	298	37	10 952	200
OTHER	6 372			4 242	1 275	2 967		106 165	
TOTAL-ENCHANT	10 500			7 364	3 085	4 279		154 181	
ENDIANG 035-16W4									
UPPER MANNVILLE C	676	0.65	0.10	395	335	60	39	2 317	1 976
OTHER	301			199	83	116		4 311	
TOTAL-ENDIANG	977			594	418	176		6 628	
ENDONA (SA) 006-09W4									
TOTAL-ENDONA	18			13		13		494	
ENTICE 028-24W4									
BELLY RIVER P	562	0.60	0.05	320	285	35	37	1 280	1 247
BELLY RIVER B	687	0.90	0.05	587			37		3 359
BELLY RIVER K	624	0.90	0.05	534			36		7 401
BELLY RIVER L	192	0.50	0.05	91			37		785
BELLY RIVER R	25	0.50	0.05	12			37		250
BELLY RIVER T		0.50	0.05				37		750
BELLY RIVER GG	28	0.50	0.05	13			36		250
BELLY RIVER MU#1 TOTAL	1 556	0.85	0.05	1 237	1 211	26	37	950	
OTHER	827			459	253	206		7 465	
TOTAL-ENTICE	2 945			2 016	1 749	267		9 695	
ERSKINE 039-21W4									
BLAIRMORE		0.80	0.10				39		433
BLAIRMORE		0.80	0.10				38		851
BLAIRMORE TOTAL	1 175	0.80	0.10	846	653	193	39	7 475	
D-3 SOLN	537	0.65	0.50	175 ^b			37		
D-3 ASSOC	1 063	0.85	0.15	768 ^b	571 ^b	372	37	13 701	1 106
OTHER	3 989			2 640	827	1 813		69 206	
TOTAL-ERSKINE	6 764			4 429	2 051	2 378		90 382	
ESTHER 031-02W4									
BELLY RIVER A	443	0.75	0.05	315	305	10	37	371	6 562
VIKING A ASSOC	1 463	0.80	0.05	1 112		1 112	37	41 300	9 471
UPPER MANNVILLE A	562	0.80	0.05	428	312	116	37	4 286	1 846
BANFF A	942	0.90	0.05	806	772	34	38	1 285	400
OTHER	2 579			1 739	527	1 212		45 419	
TOTAL-ESTHER	5 989			4 400	1 916	2 484		92 661	
ESTUARY 023-22W4									
TOTAL-ESTUARY	824			545	161	384		14 423	
ETHEL LAKE 065-03W4									
GRAND RAPIDS A	569	0.65	0.05	352	232	120	37	4 474	649
OTHER	584			302	148	154		5 702	
TOTAL-ETHEL LAKE	1 153			654	380	274		10 176	
ETZIKOM 006-08W4									
BOW ISLAND A	1 909	0.75	0.05	1 360	1 336	24	37	878	5 066
OTHER	224			158	38	120		4 213	
TOTAL-ETZIKOM	2 133			1 518	1 374	144		5 091	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
								1969	1993	TCPL INVRNS PANCDN CNG CANST
1.04	0.178	0.50	5 940	24	0.900	0.58	714.7	1972	1992	AMOCO SCEPTRE TCPL CWNGNUL HUSKY NORCEN PANCDN CRESTAR PRODUCTION DECLINE
1.44	0.205	0.65	8 800	30	0.826	0.65	874.9	1968	1989	TARRAGN TCPL NORCEN CRESTAR MATERIAL BALANCE
1.24	0.190	0.65	10 860	30	0.787	0.67	1 012.0	1953	1991	TCPL DIRECT PANCDN CRESTAR PRODUCTION DECLINE
1.40	0.208	0.65	10 780	32	0.824	0.64	996.0	1966	1991	ESSO TCPL PANALTA NORCEN CRESTAR
1.85	0.208	0.60	10 830	33	0.807	0.66	986.2	1966	1982	TCPL PANALTA NORCEN
24.00	0.090	0.80	10 990	36	0.807	0.68	979.8	1987	1991	CANST
3.42	0.193	0.60	8 020	38	0.849	0.64	1 186.6	1975	1991	CANOXY ATCOR KANNGAZ POCO
5.71	0.235	0.60	2 960	35	0.952	0.57	741.4	1974	1985	CWNGNUL PANCDN PRODUCTION DECLINE
7.14	0.228	0.55	2 960	30	0.948	0.58	791.6	1969	1988	MATERIAL BALANCE
2.93	0.215	0.55	3 240	29	0.942	0.59	821.9	1969	1988	PRODUCTION DECLINE
2.14	0.220	0.65	3 200	27	0.942	0.58	818.4	1974	1985	PRODUCTION DECLINE INCLUDES BELLY RIVER T RESERVES
4.60	0.170	0.50	2 560	21	0.950	0.57	645.0	1977	1988	PRODUCTION DECLINE RESERVES CARRIED ON
1.81	0.222	0.65	3 280	25	0.941	0.57	830.8	1977	1985	BELLY RIVER L
4.00	0.200	0.50	2 770	24	0.949	0.57	661.8	1977	1988	CWNGNUL
								1969	1993	
2.87	0.177	0.65	9 650	55	0.854	0.66	1 354.5	1952	1980	PRODUCTION DECLINE NONCOMMERCIAL OIL
6.59	0.156	0.70	9 590	53	0.858	0.64	1 352.4	1952	1981	PRODUCTION DECLINE
						0.74		1952	1981	TCPL
9.41	0.075	0.85	15 340	60	0.818	0.74	1 631.5	1952	1992	TCPL CNWE CONCURRENT PRODUCTION
								1952	1992	TCPL CNWE CONCURRENT PRODUCTION
1.52	0.281	0.65	2 340	12	0.950	0.56	248.5	1956	1992	SASKEN TCPL GULF ESSO POCO CRESTAR PRODUCTION DECLINE
1.81	0.217	0.55	6 470	24	0.869	0.62	697.2	1969	1993	PINCL ALTROAN POCO GPP
2.08	0.279	0.65	7 450	27	0.875	0.57	752.8	1969	1989	ALTROAN POCO SASKEN CRESTAR
5.81	0.190	0.70	8 130	29	0.855	0.59	849.8	1957	1992	GULF PRODUCTION DECLINE
3.43	0.301	0.70	2 080	14	0.956	0.56	363.0	1966	1989	ESSO PRODUCTION DECLINE
3.22	0.227	0.50	5 550	25	0.896	0.59	681.4	1951	1967	CTYMEDH MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
EUREKA 088-03W6 TOTAL-EUREKA	121			77	30	47		1 768	
EVI 087-13W5 TOTAL-EVI	552			270	20	250		6 918	
EWING LAKE 037-21W4 TOTAL-EWING LAKE	404			203	134	69		2 520	
EXCELSIOR 056-24W4 MANNVILLE A SOLN	54	0.65	0.35	23 ^b			38		
MANNVILLE A ASSOC	453	0.75	0.10	306 ^b	285 ^b	44	38	1 666	774
OTHER	1 089			513	141	372		13 956	
TOTAL-EXCELSIOR	1 596			842	426	416		15 622	
EXPANSE 088-04W6 TOTAL-EXPANSE	215			143	10	133		4 974	
EYEHILL 041-06W4 TOTAL-EYEHILL	133			86		86		3 051	
EYREMORE 018-18W4 BOW ISLAND A	573	0.80	0.05	435	419	16	36	577	2 811
OTHER	1 278			860	197	663		24 324	
TOTAL-EYREMORE	1 851			1 295	616	679		24 901	
FAIRYDELL-BON ACCORD 057-24W4 UPPER VIKING A	1 033	0.30	0.04	298			38		12 165
UPPER VIKING C		0.70	0.05				38		200
MIDDLE VIKING A	3 125	0.95	0.04	2 850			38		9 556
MIDDLE VIKING B	454	0.90	0.04	393			38		1 865
U VIK AC & M VIK AB TOTAL	4 612	0.80	0.05	3 541	3 454	87	38	3 276	
BASAL MANNVILLE A SOLN	11	0.65	0.10	6 ^b			37		
BASAL MANNVILLE A ASSOC	457	0.90	0.10	370 ^b	275 ^b	101	37	3 780	1 039
BASAL MANNVILLE C SOLN	96	0.65	0.10	56 ^b			36		
BASAL MANNVILLE C ASSOC	604	0.90	0.05	517 ^b	449 ^b	124	36	4 481	296
OTHER	929			537	159	378		14 213	
TOTAL-FAIRYDELL-BON ACCORD	6 709			5 027	4 337	690		25 750	
FAITH (SA) 003-12W4 TOTAL-FAITH	105			75		75		2 749	
FARMINGTON 080-11W6 KISKATINAW A	952	0.85	0.05	769	395	374	37	14 021	400
OTHER	801			572	259	313		11 956	
TOTAL-FARMINGTON	1 753			1 341	654	687		25 977	
FARRELL 034-16W4 TOTAL-FARRELL	420			280	123	157		5 791	
FARROW 020-24W4 TOTAL-FARROW	833			525	117	408		15 710	
FAWCETT (SA) 075-21W4 TOTAL-FAWCETT	69			39		39		1 452	
FENN WEST 036-20W4 TOTAL-FENN WEST	2 057			1 204	433	771		29 607	
FENN-BIG VALLEY 035-20W4 BELLY RIVER J	1 359	0.65	0.05	839	669	170	36	6 125	6 740

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
8.02	0.220	0.75	7 580	33	0.873	0.62 0.62	1 062.5	1949 1949	1993 1993	CWNGNUL NORCEN PRODUCTION DECLINE CONCURRENT PRODUCTION, OIL DEPLETED CWNGNUL NORCEN PRODUCTION DECLINE CONCURRENT PRODUCTION, OIL DEPLETED
2.69	0.200	0.45	7 830	29	0.876	0.57	953.6	1953	1993	TCPL PANALTA RENENER NORCEN CRESTAR
1.41	0.224	0.50	5 110	27	0.902	0.59	800.2	1947	1991	PART OF VIK POOL NO.1 PRODUCTION DECLINE NONCOMMERCIAL OIL
1.50	0.240	0.50	5 710	27	0.890	0.60	754.1	1961	1988	PART OF VIK POOL NO.1 RESERVES CARRIED ON MID VIK B
3.23	0.199	0.60	5 820	25	0.886	0.60	808.4	1950	1991	PART OF VIK POOL NO.1 PRODUCTION DECLINE
2.79	0.233	0.50	5 820	37	0.897	0.61	776.8	1947	1991	PART OF VIK POOL NO.1 PRODUCTION DECLINE INCLUDES UPPER VIK C RESERVES
								1947	1991	CWNGNUL NORCEN AMOCO CANST PART OF VIK POOL NO.1
5.51	0.204	0.55	7 070	43	0.895	0.63 0.63 0.64	1 028.0	1951 1951 1965	1990 1990 1991	CWNGNUL CANST NORCEN CONCURRENT PRODUCTION CWNGNUL CANST NORCEN CONCURRENT PRODUCTION PANALTA PRODUCTION DECLINE CONCURRENT PRODUCTION
6.22	0.215	0.75	7 310	42	0.887	0.64	1 055.0	1965	1991	PANALTA PRODUCTION DECLINE CONCURRENT PRODUCTION
11.85	0.159	0.70	21 510	93	0.926	0.59	2 315.1	1977	1989	PANALTA ENCOR
4.63	0.255	0.55	3 030	21	0.944	0.57	638.2	1951	1991	ATCOR GULF KANNGAZ SHELL TCPL WESTGAS NORCEN PANALTA SHAMAN PART OF BR POOL NO.3

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
FENN-BIG VALLEY 035-20W4 (CONTINUED)									
VIKING B	900	0.80	0.10	648	620	28	39	1 089	7 378
D-2 A ASSOC	46	0.75	0.30	25 ^b			42		65
D-2 A SOLN	6 160	0.64	0.55	1 774 ^b			42		
D-2 A ASSOC	19	0.75	0.30	10 ^b			42		78
D-2 A ASSOC	37	0.75	0.30	20 ^b			42		53
D-2 A ASSOC	282	0.75	0.30	148 ^b			42		190
D-2 A ASSOC	102	0.75	0.30	54 ^b			42		199
D-2 A TOTAL	6 646	0.65	0.55	2 031 ^b	1 762 ^b	269	42	11 174	
OTHER	4 454			2 598	978	1 620		61 047	
TOTAL-FENN-BIG VALLEY	13 359			6 116	4 029	2 087		79 435	
FERGUSON 003-17W4									
TOTAL-FERGUSON	30			21		21		799	
FERINTOSH 044-21W4									
ELLERSLIE H	649	0.75	0.10	438	49	389	40	15 373	300
OTHER	1 538			972	222	750		29 095	
TOTAL-FERINTOSH	2 187			1 410	271	1 139		44 468	
FERRIER 039-08W5									
CARDIUM G ASSOC	44	0.85	0.15	31 ^b			42		185
CARDIUM G SOLN	18 750	0.32	0.15	5 100 ^b			42		
CARDIUM G ASSOC	1 882	0.85	0.15	1 360 ^b			42		1 590
CARDIUM G ASSOC	2 581	0.85	0.15	1 865 ^b			42		1 853
CARDIUM G ASSOC	10 824	0.85	0.15	7 820 ^b			42		4 915
CARDIUM G & L TOTAL	34 081	0.55	0.15	16 176 ^b	14 173 ^b	2 003	42	83 665	
CARDIUM Q	759	0.90	0.10	615			40		1 709
CARDIUM Z	194	0.85	0.10	149			40		1 210
CARDIUM Q & Z TOTAL	953	0.90	0.10	764	241	523	40	20 794	
CARDIUM FF	246	0.80	0.10	177			40		883
CARDIUM II	182	0.75	0.10	123			41		400
CARDIUM FF & II TOTAL	428	0.80	0.10	300	211	89	40	3 597	
CARDIUM N ASSOC	360	0.85	0.15	260 ^b			41		440
CARDIUM N SOLN	786	0.65	0.15	434 ^b			41		
CARDIUM B,N & VIK A TOTAL	1 146	0.70	0.15	694 ^b	667 ^b	27	41	1 102	
GLAUCONITIC B	580	0.88	0.10	459	419	40	40	1 591	256
PEK 02-043-10	501	0.75	0.20	301		301	39	11 601	200
OTHER	9 998			6 651	986	5 665		222 429	
TOTAL-FERRIER	47 687			25 345	16 697	8 648		344 779	
FERRYBANK 044-27W4									
BELLY RIVER C ASSOC	2 026	0.80	0.05	1 540 ^b			37		7 373
BELLY RIVER C SOLN	627	0.44	0.50	138 ^b			37		
BELLY RIVER G	4	0.60	0.05	2 ^b			36		64
BELLY RIVER H	5	0.60	0.05	3 ^b			36		64
BELLY RIVER C, G & H TOTAL	2 662	0.70	0.10	1 683 ^b	1 062 ^b	621	37	23 027	
VIKING A	1 307	0.60	0.20	627	231	396	46	18 180	8 392
GLAUCONITIC A	1 429	0.70	0.10	900			39		5 838
LOWER MANNVILLE W	120	0.75	0.10	81			40		291
GLAUC A & L MANN W TOTAL	1 549	0.70	0.10	981	719	262	39	10 346	
LOWER MANNVILLE I SOLN	12	0.65	0.10	7 ^b			40		
LOWER MANNVILLE I ASSOC	689	0.80	0.10	496 ^b	440 ^b	63	40	2 518	612
LOWER MANNVILLE F	432	0.85	0.10	330	276	54	40	2 148	502
LOWER MANNVILLE S	1 470	0.85	0.15	1 063	384	679	40	26 888	3 008
LOWER MANNVILLE A		0.90	0.10				40		1 190
LOWER MANNVILLE B		0.90	0.10				40		1 214
LOWER MANNVILLE A & B TOTAL	800	0.90	0.10	648	623	25	40	991	
BANFF A	380	0.90	0.10	308	297	11	40	438	647
BANFF B	682	0.85	0.10	522	340	182	40	7 289	703

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
1.43	0.140	0.55	7 240	41	0.857	0.66	1 179.8	1952	1992	TARRAGN HOME ESSO GULF TCPL CWNGNUL PANALTA NORCEN ENCOR PART OF VIK POOL NO.4 PRODUCTION DECLINE
4.48	0.111	0.85	12 750	48	0.668	0.95	1 596.1	1950	1988	GPP
2.09	0.093	0.75	12 750	48	0.666	0.95	1 573.6	1950	1988	GPP
3.89	0.124	0.85	12 750	48	0.668	0.95	1 597.2	1950	1984	GPP
7.79	0.132	0.85	12 750	48	0.666	0.95	1 589.9	1950	1985	GPP
3.96	0.095	0.80	12 750	48	0.666	0.95	1 578.3	1950	1984	GPP
								1950	1990	CWNGNUL NORCEN GPP
12.15	0.229	0.85	9 160	55	0.868	0.67	1 327.0	1989	1993	PANALTA CANST
1.59	0.090	0.70	21 770	60	0.782	0.76	2 057.1	1961	1992	SOLN MU-CARDIUM G&L, GPP
3.24	0.161	0.85	21 770	60	0.782	0.76	2 056.1	1961	1992	SOLN MU-CARDIUM G&L, GPP
3.16	0.170	0.85	21 770	60	0.782	0.76	2 029.3	1961	1992	PRODUCTION DECLINE
7.74	0.137	0.85	21 770	60	0.782	0.76	2 066.0	1961	1992	PRODUCTION DECLINE
2.19	0.120	0.80	22 000	73	0.856	0.68	2 253.7	1969	1991	NRTHRGE HOME HUSKY ESSO NCMI TCPL AMERADA CANST NORCEN POCO GPP
1.81	0.064	0.60	22 570	62	0.829	0.69	2 303.2	1975	1991	
						0.68		1969	1991	NORCEN TCPL AMERADA PANALTA PROGAS AMOCO ENCOR
1.72	0.090	0.75	24 110	63	0.851	0.67	2 316.3	1956	1987	
3.65	0.099	0.75	16 460	70	0.813	0.70	2 272.3	1956	1988	
2.40	0.126	0.90	22 340	83	0.845	0.75	2 232.7	1955	1989	TCPL PANALTA PROGAS PRODUCTION DECLINE SOLN MU-CARDIUM B.N & VIK A, CONC PROD
						0.75		1955	1989	PRODUCTION DECLINE SOLN MU-CARDIUM B.N & VIK A, CONC PROD
7.16	0.080	0.60	33 880	90	0.989	0.66	2 725.4	1984	1989	TCPL NORCEN CONCURRENT PRODUCTION
12.80	0.110	0.80	24 360	78	0.887	0.68	2 914.2	1966	1982	WESTGAS ESSO HOME PRODUCTION DECLINE AMERADA
3.95	0.202	0.55	5 600	35	0.904	0.60	909.2	1955	1991	MATERIAL BALANCE CONC PROD, SOLN MU-BR C,G & H
						0.60		1955	1991	MATERIAL BALANCE CONC PROD, SOLN MU-BR C,G & H
2.00	0.180	0.45	3 400	26	0.936	0.59	786.8	1986	1989	
1.90	0.200	0.45	4 110	27	0.924	0.59	857.9	1986	1989	
								1955	1991	TCPL PANALTA CANST NORCEN PANCDN CONCURRENT PRODUCTION
1.89	0.132	0.55	8 060	45	0.635	0.96	1 440.3	1955	1981	PANCDN TCPL PANALTA
4.45	0.139	0.50	11 940	64	0.835	0.68	1 562.3	1954	1990	PART OF GLAUC POOL NO.3 PRODUCTION DECLINE
3.20	0.140	0.80	11 380	64	0.837	0.68	1 575.5	1991	1993	PART OF GLAUC POOL NO.3
								1954	1993	WESTGAS TCPL SCEPTRE NOVER PROGAS POCO PANCDN PANALTA BVI PART OF GLAUC POOL NO.3 PANCDN TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION
4.79	0.191	0.70	12 490	65	0.828	0.68	1 667.4	1981	1992	PANCDN TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION
2.39	0.160	0.80	12 710	45	0.775	0.70	1 587.7	1970	1984	TCPL MATERIAL BALANCE NONCOMMERCIAL OIL
3.28	0.160	0.70	12 450	63	0.792	0.78	1 632.4	1980	1993	TCPL PANALTA SCEPTRE PANCDN NOVER
2.36	0.205	0.75	13 340	63	0.803	0.73	1 710.3	1971	1992	PRODUCTION DECLINE
2.25	0.213	0.70	13 340	63	0.803	0.73	1 731.1	1971	1992	PRODUCTION DECLINE
3.23	0.114	0.70	12 790	63	0.828	0.67	1 679.3	1958	1990	PANCDN TCPL PANALTA
8.41	0.143	0.45	12 760	63	0.823	0.68	1 584.8	1955	1993	PANCDN TCPL MATERIAL BALANCE TCPL PRODUCTION DECLINE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
FERRYBANK 044-27W4 (CONTINUED)									
OTHER	3 423			2 277	521	1 756		69 090	
TOTAL-FERRYBANK	13 406			8 942	4 893	4 049		160 915	
FIGURE LAKE 063-18W4									
D-2 E	1 343	0.65	0.05	829	362	467	37	17 349	3 545
D-2 O	398	0.80	0.05	302	52	250	37	9 288	600
UPPER MANNVILLE B		0.65	0.04				37		730
UPPER MANNVILLE Y		0.75	0.05				38		179
UPPER MANNVILLE CC		0.70	0.05				38		305
D-2 B		0.50	0.05				37		9 082
UPPER MANN B.Y.CC&D-2 TOTAL	3 063	0.65	0.05	1 891	1 671	220	37	8 226	
OTHER	5 961			3 792	1 435	2 357		87 936	
TOTAL-FIGURE LAKE	10 765			6 814	3 520	3 294		122 799	
FINDLEY 057-06W6									
NORD 057-06	624	0.85	0.15	451		451	38	16 944	528
OTHER	1 823			1 245		1 245		47 055	
TOTAL-FINDLEY	2 447			1 696		1 696		63 999	
FIR 058-21W5									
GETHING A	1 032	0.75	0.10	697		697	39	27 002	2 443
CADM 36-059-22	499	0.85	0.10	382		382	39	14 982	150
TRIASSIC C	9 861	0.80	0.10	7 100	4 006	3 094	38	118 067	17 946
D-3 A	3 556	0.45	0.25	1 200	1 049	151	37	5 610	1 113
D-3 B	921	0.85	0.25	587	26	561	37	20 841	128
D-3 C	4 214	0.70	0.20	2 360	268	2 092	37	78 136	128
D-3 E	607	0.75	0.20	364	3	361	38	13 584	200
OTHER	2 567			1 624	11	1 613		62 610	
TOTAL-FIR	23 257			14 314	5 363	8 951		340 832	
FIRE 113-07W6									
TOTAL-FIRE	430			269	54	215		8 159	
FISHER 068-05W4									
GRAND RAPIDS C	773	0.60	0.05	441	1	440	37	16 359	6 300
GRAND RAPIDS D	1 052	0.50	0.05	500	10	490	37	18 184	7 374
CLEARWATER B	1 233	0.80	0.05	937	65	872	37	32 691	4 784
OTHER	4 236			2 312	22	2 290		84 064	
TOTAL-FISHER	7 294			4 190	98	4 092		151 298	
FLAT 066-20W4									
WABISKAW&WABAMUN A		0.75	0.05				37		4 109
WABISKAW&WABAMUN A		0.75	0.05				37		6 881
WABISKAW-WABAMUN A TOTAL	4 912	0.75	0.05	3 500	2 542	958	37	35 350	
WABISKAW-WABAMUN B		0.65	0.05				37		3 044
WABISKAW-WABAMUN B		0.65	0.05				37		1 506
WABISKAW-WABAMUN B TOTAL	809	0.65	0.05	500	394	106	37	3 968	
OTHER	2 161			1 402	392	1 010		37 541	
TOTAL-FLAT	7 882			5 402	3 328	2 074		76 859	
FLOOD 085-25W5									
TOTAL-FLOOD	297			183	98	85		3 165	
FLUME 062-05W5									
TOTAL-FLUME	38			28		28		1 095	
FOLEY LAKE 065-06W5									
TOTAL-FOLEY LAKE	113			86		86		3 324	
FOREMOST 006-11W4									
BOW ISLAND	566	0.93	0.05	500	440	60	36	2 176	6 038
OTHER	62			39	6	33		1 146	
TOTAL-FOREMOST	628			539	446	93		3 322	
FORESTBURG 042-15W4									
UPPER MANNVILLE R	821	0.75	0.05	585	161	424	37	15 654	1 450
OTHER	3 881			2 519	784	1 735		63 895	
TOTAL-FORESTBURG	4 702			3 104	945	2 159		79 549	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
7.18 15.35 3.89 1.60 1.62 8.43	0.202 0.200 0.269 0.259 0.310 0.166	0.75 0.65 0.70 0.70 0.75 0.60	3 500 3 220 3 540 3 410 3 410 3 540	31 21 19 19 19 24	0.940 0.938 0.929 0.931 0.931 0.935	0.56 0.57 0.56 0.57 0.57 0.56	642.8 595.0 541.3 534.5 542.3 676.9	1951 1979 1958 1987 1987 1955 1955	1993 1992 1988 1988 1988 1990 1993	TCPL PARAMNT BVI PRODUCTION DECLINE PRODUCTION DECLINE PRODUCTION DECLINE PRODUCTION DECLINE TCPL RENENER KANNGAZ
7.82	0.112	0.55	28 530	77	0.945	0.61	2 375.8	1975	1988	CANOXY HOME BER TOP/BASE TVD
3.52 12.20 2.19 24.74 42.00 197.03 21.50	0.106 0.190 0.105 0.065 0.080 0.082 0.070	0.70 0.80 0.80 0.85 0.90 0.85 0.90	18 130 19 450 22 940 30 710 31 170 33 380 27 120	92 84 100 117 115 121 99	0.873 0.863 0.937 0.958 0.960 1.005 0.925	0.71 0.71 0.61 0.69 0.69 0.66 0.68	2 642.8 2 603.9 2 651.7 3 345.6 3 372.8 3 518.5 3 417.6	1972 1972 1972 1974 1980 1988 1991	1981 1992 1991 1985 1989 1989 1992	ENCOR TCPL ENCOR TCPL TCPL MOBIL PANALTA PROGAS GULF MATERIAL BALANCE DEEP CUT SL TCPL PANALTA PROGAS WESTGAS PANALTA GULF TCPL
3.12 3.89 4.66	0.313 0.300 0.301	0.75 0.75 0.70	1 640 1 620 2 500	15 19 13	0.967 0.968 0.947	0.56 0.56 0.56	328.0 320.2 438.7	1986 1986 1986	1991 1991 1991	AEC HUSKY AEC HUSKY HUSKY AEC
2.51 14.17 3.17 6.74	0.215 0.230 0.224 0.179	0.65 0.35 0.65 0.20	3 340 3 380 3 340 3 380	27 27 27 27	0.939 0.939 0.940 0.939	0.57 0.57 0.58 0.58	561.3 565.0 572.4 598.3	1956 1956 1967 1967 1967	1991 1991 1991 1991 1991	PRODUCTION DECLINE PRODUCTION DECLINE TCPL PRODUCTION DECLINE PRODUCTION DECLINE ATCOR CNRL TARRAGN TCPL
1.52	0.240	0.70	4 830	27	0.918	0.57	670.3	1923	1981	SUNCOR CWNGNUL ALTROAN CRESTAR MATERIAL BALANCE
3.91	0.242	0.75	7 610	35	0.881	0.59	1 050.1	1982	1991	TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
FORSYTH 062-06W4 TOTAL-FORSYTH	1 972			1 228	243	985		36 572	
FORT ASSINIBOINE 062-04W5 TOTAL-FORT ASSINIBOINE	409			283	65	218		8 409	
FORT KENT 061-04W4 TOTAL-FORT KENT	2 780			1 708	1 099	609		22 655	
FORT SASKATCHEWAN 054-22W4 UPPER VIKING A		0.87	0.03				36		3 055
MIDDLE VIKING A		0.87	0.03				36		12 842
U VIK A & M VIK A TOTAL	9 124	0.85	0.05	7 700	7 634	66	36	2 400	
OTHER	325			215	34	181		6 724	
TOTAL-FORT SASKATCHEWAN	9 449			7 915	7 668	247		9 124	
FORTY MILE 007-09W4 LOWER MANNVILLE E	1 943	0.65	0.05	1 200	1 166	34	36	1 237	6 680
OTHER	821			564	149	415		14 922	
TOTAL-FORTY MILE	2 764			1 764	1 315	449		16 159	
FOSTER (SA) 033-27W4 TOTAL-FOSTER	355			241		241		9 485	
FOURTH 082-09W6 TOTAL-FOURTH	1 094			715	84	631		23 885	
FOX CREEK 061-18W5 VIKING A	4 519	0.90	0.10	3 660	3 020	640	39	25 120	6 794
GETHING B SOLN	190	0.65	0.15	105b			39		
GETHING B ASSOC	310	0.90	0.05	265b	16b	354	39	13 650	634
VIKING C	217	0.70	0.10	137b			39		386
GETHING D	893	0.65	0.05	551b			38		1 065
GETHING H ASSOC	6 802	0.65	0.05	4 200b			39		9 926
GETHING H SOLN	58	0.65	0.30	27b			39		
VIKING C,GETHING D&H TOTAL	7 970	0.65	0.05	4 915b	1 236b	3 679	39	142 745	
OTHER	2 563			1 432	338	1 094		42 552	
TOTAL-FOX CREEK	15 552			10 377	4 610	5 767		224 067	
FRANCIS 073-22W4 WABAMUN A	516	0.65	0.05	318		318	37	11 776	440
OTHER	453			290		290		10 723	
TOTAL-FRANCIS	969			608		608		22 499	
FRANCIS SOUTH 072-21W4 TOTAL-FRANCIS SOUTH	189			111		111		3 873	
FRENCH (SA) 064-01W5 TOTAL-FRENCH	181			125		125		4 692	
FURNESS (SA) 048-23W4 TOTAL-FURNESS	107			74		74		2 850	
GADSBY 037-19W4 BELLY RIVER J	2 623	0.65	0.05	1 620	992	628	37	23 129	11 567
GLC SS 23-038-19	403	0.85	0.10	309		309	39	11 958	300
OTHER	2 351			1 567	496	1 071		39 649	
TOTAL-GADSBY	5 377			3 496	1 488	2 008		74 736	
GAGE 082-03W6 TOTAL-GAGE	605			415		415		15 615	
GALAHAD 040-15W4 TOTAL-GALAHAD	1 120			711	4	707		24 744	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
0.80 6.43	0.280 0.213	0.50 0.60	5 550 5 550	33 33	0.905 0.905	0.60 0.60	731.7 791.6	1917 1917 1917	1990 1990 1990	PART OF VIK POOL NO.2 MATERIAL BALANCE PART OF VIK POOL NO.2 MATERIAL BALANCE CWNGNUL NORCEN GARDNER PART OF VIK POOL NO.2
2.24	0.195	0.60	10 070	30	0.850	0.58	932.9	1965	1992	TCPL CWNGNUL NCMI PANALTA BVI SUMMIT CANST KANNGAZ POCO PRODUCTION DECLINE
3.67 3.62 1.59	0.146 0.166 0.150	0.60 0.60 0.60	10 160 13 220 9 140	60 57 64	0.846 0.839 0.874	0.67 0.65 0.64	1 716.1 889.3 1 633.1	1957 1977 1977 1978	1989 1993 1993 1991	TCPL MATERIAL BALANCE POCO CONCURRENT PRODUCTION PENDING POCO CONCURRENT PRODUCTION PENDING PART OF GETHING POOL NO.1 PRODUCTION DECLINE PART OF GETHING POOL NO.1 PART OF GETHING POOL NO.1 PRODUCTION DECLINE CONC PROD.SOLN MU-VIK C.GETH D & H PART OF GETHING POOL NO.1 PRODUCTION DECLINE CONC PROD.SOLN MU-VIK C.GETH D & H PROGAS TCPL POCO PART OF GETHING POOL NO.1 CONCURRENT PRODUCTION
5.54 5.58	0.144 0.155	0.60 0.60	14 410 14 410	28 75	0.777 0.863	0.62 0.65 0.65	1 968.8 1 928.0	1967 1957 1957	1993 1993 1993	
23.75	0.250	0.80	2 420	20	0.952	0.57	548.7	1965	1983	BER
4.92 7.35	0.253 0.216	0.60 0.80	3 030 9 590	27 39	0.946 0.826	0.57 0.65	618.6 1 310.1	1951 1992	1992 1993	POCO CWNGNUL ATCOR WESTGAS KANNGAZ HOME SHELL CNRL CANST CNWE SHERRIT TCPL SHAMAN PART OF BR POOL NO.3

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
GAMBLER 070-21W4 WABAMUN B	532	0.75	0.05	379	164	215	37	7 964	3 555
OTHER	1 534			931	269	662		24 762	
TOTAL-GAMBLER	2 066			1 310	433	877		32 726	
GARDEN PLAINS 033-13W4 SECOND WHITE SPECKS E	1 287	0.65	0.05	794	10	784	37	28 906	4 352
OTHER	2 201			1 488	474	1 014		38 239	
TOTAL-GARDEN PLAINS	3 488			2 282	484	1 798		67 145	
GARDNER (SA) 090-18W5 TOTAL-GARDNER	31			22		22		800	
GARRINGTON 034-04W5 VIKING P SOLN	15	0.65	0.10	9 ^b			40		
VIKING P ASSOC	835	0.85	0.10	639 ^b	484 ^b	164	40	6 599	732
VIKING A ASSOC	401	0.70	0.10	253 ^b			39		4 344
VIKING A SOLN	741	0.65	0.15	410 ^b			39		
VIKING A ASSOC	17	0.60	0.10	9 ^b			39		200
VIKING A ASSOC	15	0.55	0.10	7 ^b			39		200
VIKING A ASSOC	11	0.55	0.10	5 ^b			39		200
VIKING A ASSOC	15	0.55	0.10	7 ^b			39		200
VIKING A ASSOC	18	0.60	0.10	10 ^b			39		128
VIKING A TOTAL	1 218	0.65	0.15	701 ^b	455 ^b	246	39	9 656	
VIKING CC	11	0.75	0.10	7			40		200
MANNVILLE B SOLN	4 750	0.80	0.25	2 850			42		
VIKING CC&MANNVILLE B TOTAL	4 761	0.80	0.25	2 857	2 572	285	42	11 987	
MANNVILLE D SOLN	289	0.65	0.25	141 ^b			41		
MANNVILLE D ASSOC	962	0.80	0.10	693 ^b	834 ^b		41		2 345
MANNVILLE R	200	0.75	0.10	135			40		250
LOWER MANNVILLE ZZ ASSOC	817	0.85	0.15	590			41		651
MANN R & L MANN ZZ TOTAL	1 017	0.85	0.15	725	29	696	41	28 306	
ELKTON E	3 216	0.90	0.15	2 460	2 180	280	40	11 270	1 162
WABAMUN A SOLN	1 753	0.65	0.33	763 ^b			39		
WABAMUN A ASSOC	8 709	0.85	0.33	4 960 ^b	4 820 ^b	903	39	34 838	13 888
LEDUC D SOLN	48	0.65	0.40	19 ^b			40		
LEDUC D ASSOC	769	0.80	0.25	461 ^b	52 ^b	428	40	16 992	128
LEDUC A	540	0.80	0.10	389	100	289	38	10 898	400
LEDUC F	837	0.80	0.20	536	1	535	40	21 138	200
OTHER	13 116			7 748	1 871	5 877		237 557	
TOTAL-GARRINGTON	38 085			23 101	13 398	9 703		389 241	
GARTH 064-06W4 TOTAL-GARTH	433			260	72	188		6 989	
GARTLEY 031-18W4 TOTAL-GARTLEY	472			308	100	208		7 822	
GATOR 118-03W6 TOTAL-GATOR	72			46		46		1 752	
GAYFORD 026-25W4 TOTAL-GAYFORD	1 605			964	569	395		14 608	
GENESEE 050-03W5 TOTAL-GENESEE	325			228	28	200		7 971	
GEORGE 082-05W6 KISKATINAW D	856	0.82	0.10	632	440	192	39	7 446	2 334
OTHER	552			385	29	356		13 350	
TOTAL-GEORGE	1 408			1 017	469	548		20 796	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
3.27	0.234	0.75	2 620	27	0.953	0.57	526.4	1979	1993	WESTGAS TCPL DIRECT ESSO PINCL CANST NONCOMMERCIAL OIL
3.41	0.140	0.50	5 970	31	0.903	0.57	832.0	1953	1992	CWNGNUL KANNGAZ PANALTA AMEAGLE PROGAS RENENER TCPL NORCEN POCO NOVER WESTGAS CRESTAR PART OF 2WS POOL NO.2
						0.67		1979	1993	SHELL NORCEN ESSO HOME GARDNER PRODUCTION DECLINE CONCURRENT PRODUCTION
2.86	0.137	0.75	20 830	73	0.852	0.67	2 360.3	1979	1993	SHELL NORCEN ESSO HOME GARDNER PRODUCTION DECLINE CONCURRENT PRODUCTION
1.79	0.089	0.65	8 920	58	0.859	0.67	1 996.6	1977	1991	CONCURRENT PRODUCTION
1.82	0.084	0.65	8 920	63	0.866	0.67	2 132.1	1977	1988	CONCURRENT PRODUCTION
1.70	0.080	0.75	7 660	61	0.878	0.67	2 127.4	1977	1988	ASSIGNED WELL 14-32-034-03W5M
1.14	0.092	0.75	7 660	65	0.884	0.67	2 170.6	1977	1988	ASSIGNED WELL 06-30-035-03W5M
2.32	0.067	0.65	7 660	64	0.882	0.67	2 148.5	1977	1988	ASSIGNED WELL 10-13-035-04W5M
2.66	0.102	0.65	8 510	74	0.886	0.67	2 104.6	1977	1987	ASSIGNED WELL 01-25-035-04W5M
								1977	1991	ASSIGNED WELL 06-20-035-03W5M
0.70	0.060	0.70	18 920	77	0.833	0.72	2 233.7	1975	1993	WESTGAS NRTHSTR ESSO DEKALB TCPL PANALTA PROGAS HOME NORCEN CONCURRENT PRODUCTION
						0.77		1963	1991	
						0.72		1975	1993	
								1968	1988	GULF ESSO TCPL DIRECT PANALTA PROGAS HOME NORCEN CONCURRENT PRODUCTION
2.00	0.109	0.75	27 750	78	0.896	0.72	2 437.8	1968	1988	GULF ESSO TCPL DIRECT PANALTA PROGAS HOME NORCEN CONCURRENT PRODUCTION
3.60	0.129	0.85	20 550	73	0.834	0.71	2 505.9	1979	1989	
5.73	0.120	0.85	21 300	74	0.813	0.77	2 527.2	1979	1992	
6.88	0.122	0.85	24 530	85	0.884	0.73	2 633.0	1979	1991	ESSO PROGAS NORCEN
						0.77		1952	1985	GULF ESSO DIRECT AMOCO PROGAS PANCDN MATERIAL BALANCE
8.47	0.045	0.80	24 720	74	0.856	0.77	2 642.0	1952	1985	NRTHSTR TCPL NORCEN PANCDN MATERIAL BALANCE CONCURRENT PRODUCTION
45.00	0.068	0.85	25 510	89	0.868	0.77	2 966.3	1985	1990	NRTHSTR TCPL NORCEN PANCDN MATERIAL BALANCE CONCURRENT PRODUCTION
13.95	0.056	0.85	26 200	108	0.962	0.64	3 183.4	1954	1991	GULF CONCURRENT PRODUCTION
35.50	0.070	0.90	20 590	93	0.855	0.78	3 136.8	1985	1989	HOME TCPL
										HOME TOP/BASE TVD
2.10	0.143	0.75	14 630	61	0.834	0.65	1 460.8	1973	1992	TCPL MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
GERE 062-08W5 TOTAL-GERE	225			157		157		6 071	
GERMAIN (SA) 085-22W4 TOTAL-GERMAIN	27			13		13		479	
GHOST PINE 031-22W4									
UPPER MANNVILLE O ASSOC	664	0.80	0.10	478b			40		1 129
UPPER MANNVILLE O SOLN	20	0.65	0.10	12b			40		
UPPER MANNVILLE Y		0.75	0.10				40		6 935
UPPER MANNVILLE FF		0.75	0.10				40		8 320
UPPER MANN Q.Y & FF TOTAL	5 862	0.75	0.10	4 073b	2 952b	1 121	40	44 683	
UPPER MANNVILLE C ASSOC		0.75	0.10				40		2 351
UPPER MANNVILLE U		0.85	0.10				39		936
UPPER MANNVILLE ZZZ		0.85	0.10				40		467
LOWER MANNVILLE A ASSOC		0.75	0.10				40		368
LOWER MANNVILLE A SOLN	40	0.60	0.20	19b			40		
LOWER MANNVILLE H ASSOC		0.75	0.10				40		150
U&L MANNVILLE MU. #1 TOTAL	1 739	0.85	0.10	1 319b	1 290b	29	40	1 160	
UPPER MANNVILLE H		0.75	0.10				39		1 366
UPPER MANNVILLE P		0.70	0.10				40		6 157
UPPER MANNVILLE VVV		0.75	0.10				40		2 806
UPPER MANNVILLE B2B	24	0.75	0.10	16			40		150
LOWER MANNVILLE R		0.75	0.10				40		150
LOWER MANNVILLE EE		0.75	0.10				37		150
U&L MANNVILLE MU.NO.2 TOTAL	5 504	0.75	0.10	3 715	3 067	648	40	25 654	
UPPER MANNVILLE O2O	2 014	0.80	0.10	1 450	1 007	443	40	17 707	3 907
LOWER MANNVILLE B SOLN	25	0.60	0.10	14b			40		
LOWER MANNVILLE B ASSOC	494	0.80	0.10	356b	342b	28	40	1 126	902
LOWER MANNVILLE F	606	0.90	0.10	491	449	42	40	1 669	783
PEKISKO G	783	0.92	0.04	691	682	9	39	354	632
OTHER	11 894			7 442	3 977	3 465		135 466	
TOTAL-GHOST PINE	28 921			19 551	13 766	5 785		227 819	
GILBY 041-03W5									
UPPER MANNVILLE E	527	0.80	0.15	359	6	353	40	14 060	150
UPPER MANNVILLE G	624	0.85	0.10	477	30	447	40	17 795	300
UPPER MANNVILLE J ASSOC	383	0.85	0.10	293			40		449
UPPER MANNVILLE J SOLN	378	0.65	0.10	221			40		
UPPER MANNVILLE J TOTAL	761	0.75	0.10	514	6	508	40	20 091	
BASAL MANNVILLE D	2 075	0.80	0.15	1 411	1 177	234	41	9 554	1 194
BASAL MANNVILLE A		0.85	0.15				40		1 413
JURASSIC D		0.85	0.15				41		861
BSL MANN A & JUR D TOTAL	9 688	0.85	0.15	7 000	5 023	1 977	41	80 108	
UPPER MANNVILLE A		0.75	0.10				40		75
BASAL MANNVILLE H		0.85	0.10				41		3 311
BASAL MANNVILLE L ASSOC		0.85	0.10				40		150
BASAL MANNVILLE NN	74	0.60	0.10	40b			39		150
JURASSIC-RUNDLE ASSOC		0.85	0.10				41		7 066
JURASSIC-RUNDLE ASSOC		0.85	0.10				41		9 198
JURASSIC-RUNDLE SOLN	111	0.60	0.10	60b			41		
RUNDLE A		0.75	0.10				39		400
MANN, JUR & RUN MU#1 TOTAL	26 516	0.85	0.10	20 260b	19 237b	1 023			
JURASSIC B ASSOC	458	0.80	0.15	311b			41		430
JURASSIC B SOLN	1 061	0.31	0.20	263b			41		
JURASSIC B ASSOC	10	0.75	0.15	7b			41		49
JURASSIC B TOTAL	1 529	0.45	0.15	581b	392b	189	41	7 706	
JURASSIC N	555	0.85	0.15	401	396	5	41	204	200
RUNDLE H	842	0.85	0.15	609	10	599	40	24 092	1 277
OTHER	10 743			6 491	1 679	4 812		190 945	
TOTAL-GILBY	53 860			38 103	27 956	10 147		364 555	
GILWOOD 073-18W5 TOTAL-GILWOOD	394			235	53	182		6 776	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
4.54	0.184	0.65	10 340	55	0.828	0.68 0.68	1 466.8	1967	1987	CONCURRENT PRODUCTION
2.26	0.166	0.60	10 570	57	0.833	0.68	1 502.4	1966	1987	CONCURRENT PRODUCTION
2.56	0.201	0.65	10 570	57	0.833	0.68	1 490.5	1961	1987	MATERIAL BALANCE
1.75	0.177	0.70	10 640	50	0.807	0.68	1 395.9	1964	1987	MATERIAL BALANCE
5.79	0.196	0.65	10 640	50	0.827	0.66	1 415.7	1964	1987	CAN88IT TARRAGN SCEPTRE KANNGAZ TCPL
1.10	0.179	0.50	10 640	50	0.807	0.69	1 420.4	1965	1987	NORCEN WESTGAS CONCURRENT PRODUCTION
1.43	0.180	0.45	10 620	52	0.826	0.67	1 421.0	1965	1989	PRODUCTION DECLINE
0.61	0.160	0.50	10 620	45	0.808	0.67	1 456.6	1971	1983	CONC PROD
1.49	0.205	0.70	10 450	50	0.829	0.66	1 377.5	1964	1987	MATERIAL BALANCE
2.67	0.202	0.65	10 450	50	0.816	0.68	1 389.1	1965	1992	TCPL CONCURRENT PRODUCTION
1.56	0.172	0.60	10 450	50	0.817	0.68	1 411.2	1952	1992	PRODUCTION DECLINE
1.83	0.260	0.70	9 910	49	0.806	0.70	1 409.1	1966	1992	PRODUCTION DECLINE MARGINAL OIL PRODUCED
4.50	0.130	0.50	10 350	45	0.810	0.67	1 404.5	1982	1992	PRODUCTION DECLINE
1.22	0.220	0.70	10 340	26	0.794	0.66	1 357.0	1966	1992	PRODUCTION DECLINE
4.38	0.172	0.70	9 590	58	0.843	0.68	1 503.1	1964	1992	TCPL
1.61	0.185	0.60	10 730	51	0.813	0.68	1 453.8	1959	1988	CAN88IT TARRAGN EMI TCPL GULF PANALTA
5.34	0.200	0.55	10 650	52	0.826	0.66	1 471.2	1960	1992	PROGAS RENENER CNG KANNGAZ PANCDN
6.07	0.070	0.80	10 170	49	0.828	0.64	1 390.5	1962	1992	CAN88IT TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION
9.40	0.270	0.85	15 860	70	0.808	0.73	2 118.2	1977	1993	TCPL PRODUCTION DECLINE
17.00	0.106	0.65	17 900	75	0.824	0.73	2 091.3	1989	1991	TCPL WESTGAS PRODUCTION DECLINE
6.24	0.114	0.70	15 440	55	0.781	0.72	1 827.7	1992	1993	
7.62	0.121	0.80	15 510	70	0.821	0.72	2 054.9	1992	1993	CWNGNUL
14.95	0.131	0.80	15 980	72	0.838	0.70	2 139.4	1962	1993	CONTIN
5.48	0.169	0.75	15 980	72	0.831	0.71	2 179.3	1956	1986	NRTHSTR
1.80	0.120	0.70	17 060	62	0.788	0.74	2 029.2	1959	1987	KANNGAZ TCPL INVRNS PRODUCTION DECLINE
4.91	0.118	0.70	15 870	70	0.814	0.74	2 107.6	1956	1987	MATERIAL BALANCE
1.10	0.120	0.70	15 310	73	0.775	0.83	2 045.8	1956	1986	MATERIAL BALANCE
3.60	0.180	0.80	9 660	67	0.850	0.72	1 987.6	1956	1986	MATERIAL BALANCE
5.24	0.120	0.65	16 060	71	0.818	0.74	2 117.1	1959	1991	TCPL
13.88	0.079	0.75	16 060	71	0.818	0.74	2 088.2	1956	1987	MATERIAL BALANCE
6.75	0.060	0.75	16 490	76	0.839	0.71	2 161.4	1955	1991	MATERIAL BALANCE
5.57	0.149	0.80	15 890	71	0.818	0.74	2 132.1	1958	1993	MATERIAL BALANCE CONCURRENT PRODUCTION
1.00	0.160	0.80	15 890	71	0.818	0.74	2 122.8	1958	1993	MATERIAL BALANCE CONCURRENT PRODUCTION
10.36	0.150	0.70	15 400	70	0.825	0.72	2 121.9	1953	1989	MATERIAL BALANCE
6.07	0.080	0.75	19 360	83	0.854	0.73	2 225.2	1963	1991	ATCOR PROGAS WESTGAS NORCEN NOVER

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE $10^6 m^3$	POOL RECOVERY Frac	SURFACE LOSS Frac	INITIAL ESTABLISHED RESERVES $10^6 m^3$	NET CUMULATIVE PRODUCTION $10^6 m^3$	REMAINING ESTABLISHED RESERVES $10^6 m^3$	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
GIROUX LAKE 066-21W5 TOTAL-GIROUX LAKE	568			355	16	339		12 875	
GIROUXVILLE (SA) 077-23W5 TOTAL-GIROUXVILLE	59			42		42		1 573	
GIROUXVILLE EAST 077-22W5 TOTAL-GIROUXVILLE EAST	469			327	116	211		7 835	
GLACIER 076-12W6 TOTAL-GLACIER	444			323		323		12 070	
GLADYS 020-27W4 WABAMUN A	1 529	0.50	0.20	612		612	37	22 834	2 983
OTHER	1 111			648	97	551		21 287	
TOTAL-GLADYS	2 640			1 260	97	1 163		44 121	
GLEICHEN 022-22W4 MEDICINE HAT A	1 048	0.70	0.03	712			36		23 145
SE ALTA GAS SYS(MU) TOTAL	1 048	0.70	0.05	712	312	400	36	14 588	
GLAUCONITIC J	491	0.80	0.10	354			39		1 125
LOWER MANNVILLE B	21	0.75	0.10	14			39		150
GLAUC J & L MANN B TOTAL	512	0.80	0.10	368	277	91	39	3 569	
OTHER	262			178	94	84		3 175	
TOTAL-GLEICHEN	1 822			1 258	683	575		21 332	
GLEN PARK 049-27W4 TOTAL-GLEN PARK	1 328			863	293	570		22 131	
GLENEVIS 055-04W5 TOTAL-GLENEVIS	760			536	116	420		16 344	
GLOVER 075-09W4 TOTAL-GLOVER	124			60		60		2 205	
GODIN 081-01W5 WABAMUN A	642	0.70	0.05	427		427	37	15 731	2 543
OTHER	51			31		31		1 163	
TOTAL-GODIN	693			458		458		16 894	
GOLD CREEK 067-05W6 BLUESKY A	1 055	0.90	0.20	760		760	40	30 225	2 598
BLUESKY-GETHING A	2 256	0.70	0.05	1 500	1 379	121	40	4 834	7 673
CADOMIN B	689	0.70	0.10	434	175	259	40	10 259	812
WABAMUN A	3 600	0.50	0.35	1 170	831	339	39	13 150	1 401
WAB 34-069-05	1 021	0.75	0.15	651		651	36	23 677	400
WAB 34-069-05	511	0.70	0.15	304		304	37	11 382	200
OTHER	3 375			2 184	154	2 030		79 764	
TOTAL-GOLD CREEK	12 507			7 003	2 539	4 464		173 291	
GOLDEN 086-15W5 TOTAL-GOLDEN	186			60	24	36		1 335	
GOLDEN SPIKE 051-27W4 D-1 A	920	0.85	0.10	704	420	284	39	11 096	438
D-3 A SOLN	4 767	0.82	0.45	2 150 ^b			42		
D-3 A ASSOC		0.90	0.10		1 517 ^b	633	42	26 776	
OTHER	2 466			1 357	573	784		30 750	
TOTAL-GOLDEN SPIKE	8 153			4 211	2 510	1 701		68 622	
GOODFISH (SA) 091-09W5 TOTAL-GOODFISH	61			38		38		1 415	
GOODRIDGE 061-02W5 TOTAL-GOODRIDGE	554			357	98	259		9 848	
GOODWIN 059-13W5 JURASSIC A	688	0.80	0.10	495		495	38	18 602	1 289
OTHER	616			377	63	314		12 434	
TOTAL-GOODWIN	1 304			872	63	809		31 036	
GOOSE RIVER 067-18W5 VIKING A	438	0.85	0.05	353	39	314	37	11 703	2 356

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
5.03	0.052	0.85	22 900	66	0.833	0.79	2 522.0	1961	1989	TCPL EMI SCEPTRE ESSO PANCDN KANNGAZ BER
1.05	0.170	0.55	4 310	17	0.916	0.56	807.7	1904	1991	PART OF MED HAT POOL NO.1
1.22	0.181	0.75	10 830	43	0.817	0.65	1 348.4	1904	1988	HUSKY PANALTA PROGAS PANCDN TCPL
2.10	0.160	0.55	11 090	43	0.821	0.64	1 371.9	1963	1992	PRODUCTION DECLINE
								1976	1992	PRODUCTION DECLINE
								1963	1992	TCPL PROGAS
10.63	0.145	0.70	2 300	20	0.954	0.58	478.9	1975	1991	DEKALB AMEAGLE BER
3.30	0.110	0.70	16 250	73	0.836	0.68	1 735.2	1981	1993	PROGAS DEEP CUT SL
2.32	0.107	0.65	22 100	70	0.857	0.67	2 150.7	1964	1987	HOME PROGAS AMEAGLE MATERIAL BALANCE
6.69	0.090	0.70	19 750	64	0.828	0.68	2 106.0	1966	1975	
18.24	0.070	0.85	35 600	99	0.975	1.12	3 323.5	1964	1987	HOME PRODUCTION DECLINE
12.05	0.101	0.85	33 870	110	1.019	0.69	3 188.9	1980	1982	PROGAS
12.00	0.100	0.85	34 180	111	1.011	0.70	3 233.3	1980	1982	PROGAS
6.15	0.175	0.75	10 890	53	0.833	0.69 0.86 0.86	1 385.4	1949 1949 1949	1970 1991 1991	ESSO MATERIAL BALANCE CWNGNUL ESSO CONC PROD, PREV GAS CYCLING CWNGNUL ESSO CONC PROD, PREV GAS CYCLING
4.99	0.200	0.40	14 030	69	0.872	0.65	1 784.1	1956	1975	TCPL CRESTAR BER
1.85	0.178	0.60	9 460	53	0.878	0.61	1 211.8	1964	1978	TCPL PANALTA HOME

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
GOOSE RIVER 067-18W5 (CONTINUED)									
BEAVERHILL LAKE A SOLN	2 079	0.43	0.40	536 ^b		43	41	1 784	
BEAVERHILL LAKE A ASSOC		0.80	0.10		493 ^b	13	41	481	
OTHER	22			13					
TOTAL-GOOSE RIVER	2 539			902	532	370		13 968	
GOPHER (SA) 081-19W4									
TOTAL-GOPHER	38			18		18		639	
GORDONDALE 079-10W6									
PEACE RIVER	989	0.85	0.05	799			39		3 717
NOTIKEWIN B	102	0.75	0.05	73			39		200
GETHING A	811	0.75	0.03	590			39		3 176
PEACE RIV. NOT B&GET A TOTAL	1 902	0.80	0.05	1 462	1 426	36	39	1 394	
GETHING B	516	0.67	0.05	329	329	< 1	38	-	150
HALFWAY C ASSOC	89	0.80	0.10	64			39		315
DOIG A	704	0.85	0.10	538			40		1 340
HALFWAY C & DOIG A TOTAL	793	0.85	0.10	602	15	587	40	23 474	
KISKATINAW B		0.90	0.05				38		383
KISKATINAW B		0.90	0.05				38		1 699
KISKATINAW B TOTAL	1 961	0.90	0.05	1 677	1 509	168	38	6 318	
OTHER	4 754			3 302	300	3 002		115 809	
TOTAL-GORDONDALE	9 926			7 372	3 579	3 793		146 995	
GRAHAM 079-04W4									
MCMURRAY B	881	0.50	0.05	419			37		3 082
MCMURRAY E	5	0.50	0.05	3			37		394
MCMURRAY B & E TOTAL	886	0.50	0.05	422	318	104	37	3 851	
OTHER	664			355	200	155		5 687	
TOTAL-GRAHAM	1 550			777	518	259		9 538	
GRAINDALE 026-01W4									
TOTAL-GRAINDALE	336			227	11	216		8 049	
GRAND FORKS 011-13W4									
TOTAL-GRAND FORKS	2 457			1 100	234	866		29 599	
GRANDE CACHE (SA) 059-08W6									
TOTAL-GRANDE CACHE	143			108		108		3 888	
GRANDE PRAIRIE 071-06W6									
TOTAL-GRANDE PRAIRIE	3 569			1 491	111	1 380		54 631	
GRANLEA 008-10W4									
BOW ISLAND A	1 362	0.85	0.05	1 100	1 021	79	36	2 826	5 029
OTHER	215			153	66	87		3 147	
TOTAL-GRANLEA	1 577			1 253	1 087	166		5 973	
GRANOR 083-18W4									
GROSMONT A	1 660	0.40	0.05	631	544	87	37	3 211	22 178
OTHER	604			290	107	183		6 251	
TOTAL-GRANOR	2 264			921	651	270		9 462	
GRANUM 011-26W4									
TOTAL-GRANUM	431			252	68	184		7 102	
GRASSLAND 067-19W4									
WABAMUN-WINTERBURN A	536	0.70	0.05	356	88	268	37	9 932	2 489
OTHER	1 074			669	420	249		9 242	
TOTAL-GRASSLAND	1 610			1 025	508	517		19 174	
GREENCOURT 059-09W5									
JURASSIC A		0.70	0.10				40		5 871
PEKISKO A ASSOC		0.55	0.10				40		2 678
PEKISKO A SOLN	123	0.60	0.15	63 ^b			40		
JURASSIC A&PEKISKO A TOTAL	7 124	0.65	0.10	4 033 ^b	3 788 ^b	245	40	9 763	
PEKISKO F	818	0.65	0.10	479	280	199	40	7 956	400
OTHER	1 478			1 050	193	857		33 908	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
						0.70 0.70		1963 1963	1991 1991	GAS BREAKTHRU, GPP GAS BREAKTHRU, GPP
4.48 7.40 3.38	0.189 0.145 0.120	0.70 0.65 0.70	4 300 7 240 10 150	33 44 42	0.915 0.887 0.845	0.61 0.58 0.60	834.8 959.2 1 296.6	1952 1957 1953	1974 1982 1971	MATERIAL BALANCE MATERIAL BALANCE TARRAGN PANALTA PROGAS ATCOR NORCEN ENCOR POCO
9.87 2.62 4.87	0.120 0.100 0.084	0.70 0.65 0.80	12 470 17 390 16 530	43 74 73	0.834 0.862 0.846	0.59 0.65 0.67	1 325.3 1 792.0 1 751.0	1957 1980 1980	1989 1988 1990	AMOCO PROGAS CNRL MATERIAL BALANCE MATERIAL BALANCE AMOCO HUSKY DIRECT PROGAS PANALTA CNRL
5.93 6.99	0.110 0.082	0.80 0.80	21 360 21 450	96 96	0.923 0.921	0.62 0.63	2 309.5 2 335.9	1980 1981 1981	1990 1993 1993	AMOCO HUSKY DIRECT PROGAS PANALTA CNRL
6.51 0.44	0.301 0.297	0.80 0.55	1 740 1 820	9 10	0.962 0.962	0.56 0.56	233.0 216.7	1976 1976 1976	1993 1989 1993	PARAMNT PANALTA TCPL
2.37	0.220	0.60	5 650	26	0.904	0.58	683.8	1971	1987	CWNGNUL PANALTA BVI CANST MATERIAL BALANCE
14.77	0.176	0.40	1 250	13	0.974	0.57	315.8	1976	1991	NCMI PANALTA PRODUCTION DECLINE
4.50	0.255	0.65	2 910	29	0.949	0.56	546.9	1958	1986	TCPL PANALTA RENENER
6.29 10.78	0.162 0.128	0.55 0.75	11 680 11 210	60 63	0.839 0.851	0.67 0.66 0.66	1 444.5 1 456.2	1961 1961 1961	1991 1992 1992	PRODUCTION DECLINE DEEP CUT SL PRODUCTION DECLINE CONCURRENT PRODUCTION, DEEP CUT SL PRODUCTION DECLINE CONCURRENT PRODUCTION, DEEP CUT SL
9.00	0.115	0.65	5 300	62	0.913	0.68	1 490.0	1961 1990	1991 1993	TCPL CNRL DART CRESTAR CONCURRENT PRODUCTION, DEEP CUT SL CNRL DART PRODUCTION DECLINE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
GREENCOURT 059-09W5 (CONTINUED) TOTAL-GREENCOURT	9 420			5 562	4 261	1 301		51 627	
GREENCOURT EAST 059-06W5 JURASSIC A ASSOC	698	0.75	0.10	472	407	65	39	2 541	998
OTHER	360			240	39	201		7 747	
TOTAL-GREENCOURT EAST	1 058			712	446	266		10 288	
GREGG (SA) 049-25W5 TOTAL-GREGG	64			43		43		1 636	
GREY (SA) 045-19W5 TOTAL-GREY	494			342		342		13 130	
GRIMSHAW 083-23W5 TOTAL-GRIMSHAW	320			232	55	177		6 609	
GRIST 073-09W4 GRAND RAPIDS A	824	0.55	0.05	430		430	37	16 043	10 889
OTHER	68			38		38		1 412	
TOTAL-GRIST	892			468		468		17 455	
GRIZZLY 062-22W5 TOTAL-GRIZZLY	590			424	96	328		12 964	
GROAT 057-16W5 LEDUC A	1 175	0.50	0.35	382	266	116	36	4 229	614
OTHER	1 033			527	63	464		17 892	
TOTAL-GROAT	2 208			909	329	580		22 121	
GROUARD 075-15W5 TOTAL-GROUARD	84			60		60		2 259	
GROUSE 074-12W4 TOTAL-GROUSE	348			180		180		6 690	
GUNN 055-03W5 TOTAL-GUNN	364			241	80	161		6 252	
GUTAH 099-07W6 TOTAL-GUTAH	47			31		31		1 146	
HACKETT 035-17W4 UPPER MANNVILLE A ASSOC	441	0.75	0.10	298 ^b			39		870
UPPER MANNVILLE A SOLN	51	0.65	0.10	30 ^b			39		
UPPER MANNVILLE A TOTAL	492	0.75	0.10	328 ^b	283 ^b	45	39	1 743	
UPPER MANNVILLE G	557	0.60	0.10	301	12	289	39	11 155	300
LOWER MANNVILLE A	796	0.80	0.09	580	562	18	39	693	977
OTHER	599			366	133	233		8 899	
TOTAL-HACKETT	2 444			1 575	990	585		22 490	
HAIRY HILL 055-14W4 COLONY W	1 900	0.72	0.05	1 300	1 106	194	37	7 184	1 781
COLONY X	954	0.65	0.05	589	554	35	37	1 310	1 941
D-2 B	587	0.75	0.05	418	415	3	37	112	1 046
CAMROSE A	682	0.85	0.05	551	536	15	37	560	4 004
OTHER	3 586			2 136	1 533	603		22 453	
TOTAL-HAIRY HILL	7 709			4 994	4 144	850		31 619	
HALKIRK 038-16W4 UPPER MANNVILLE I ASSOC	306	0.70	0.10	193 ^b			38		348
UPPER MANNVILLE I SOLN	379	0.40	0.10	137 ^b			38		
UPPER MANNVILLE I ASSOC	23	0.70	0.10	14 ^b			38		150
UPPER MANNVILLE I TOTAL	708	0.55	0.10	344 ^b	103 ^b	241	38	9 115	
GLC SS 33-037-17	486	0.85	0.10	372		372	36	13 329	100
OTHER	2 091			1 312	329	983		36 521	
TOTAL-HALKIRK	3 285			2 028	432	1 596		58 965	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
2.72	0.190	0.65	10 720	50	0.829	0.67	1 227.8	1980	1991	PROGAS AMOCO HOME DYNALTA WESTGAS MATERIAL BALANCE OIL DEPLETED
2.42	0.303	0.65	1 580	19	0.969	0.55	325.9	1979	1989	BER
12.80	0.075	0.85	26 890	104	0.865	0.94	3 054.8	1984	1989	DEEP CUT SL
3.63	0.207	0.65	8 060	38	0.839	0.67 0.67	1 159.4	1974 1974 1993	1993	PRODUCTION DECLINE CONCURRENT PRODUCTION PRODUCTION DECLINE CONCURRENT PRODUCTION
17.80	0.226	0.75	5 880	37	0.877	0.66	1 179.7	1974 1992	1992	POCO TCPL CONCURRENT PRODUCTION
8.24	0.180	0.70	8 400	41	0.837	0.67	1 169.6	1988 1952	1989	WESTGAS TCPL PRODUCTION DECLINE
8.26	0.295	0.85	4 340	25	0.919	0.58	538.1	1954	1985	TCPL CWNGNUL HOME NORCEN MATERIAL BALANCE
5.40	0.293	0.75	4 190	27	0.923	0.58	562.1	1972	1985	TCPL CWNGNUL HOME NORCEN PRODUCTION DECLINE
5.40	0.159	0.60	3 990	27	0.928	0.57	625.8	1964	1993	CWNGNUL TCPL PRODUCTION DECLINE
3.25	0.213	0.60	3 940	29	0.931	0.56	659.3	1973	1984	TCPL CWNGNUL NORCEN POCO PRODUCTION DECLINE
5.41	0.216	0.75	9 200	39	0.837	0.65 0.65	1 227.7	1984 1984	1990	GPP GPP
1.10	0.210	0.65	9 200	39	0.837	0.65	1 237.6	1984 1984	1989	ASSIGNED WELL 14-35-037-17W4M
22.70	0.240	0.85	10 100	47	0.856	0.66	1 264.0	1991 1992	1992	TCPL PANCDN POCO GPP PANCDN

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
HALKIRK EAST 040-14W4 TOTAL-HALKIRK EAST	1 435			883	92	791		28 877	
HALLIDAY 028-14W4 TOTAL-HALLIDAY	238			166	55	111		4 140	
HAMBURG 095-11W6 SLAVE POINT A	12 273	0.85	0.05	9 910	4 229	5 681	38 ^a	214 344	4 630
SLAVE POINT C	1 060	0.90	0.15	811	212	599	40	23 912	400
SL PT 096-12	693	0.90	0.10	562		562	40	22 491	736
OTHER	469			315	17	298		11 418	
TOTAL-HAMBURG	14 495			11 598	4 458	7 140		272 165	
HAMELIN CREEK 080-06W6 TOTAL-HAMELIN CREEK	911			615	153	462		17 467	
HANGINGSTONE 084-09W4 UPPER MANNVILLE A	2 915	0.65	0.05	1 800	565	1 235	37	45 757	30 715
OTHER	1 303			720	10	710		26 511	
TOTAL-HANGINGSTONE	4 218			2 520	575	1 945		72 268	
HANLAN 047-17W5 CARDIUM A	555	0.90	0.15	425		425	41	17 217	200
CARD SD 03-046-17	485	0.90	0.05	415		415	39	16 347	200
WINTERBURN B	859	0.75	0.10	580	475	105	38	3 941	200
BEAVERHILL LAKE A	41 166	0.80	0.25	24 700	10 760	13 940	38	527 350	8 230
BEAVERHILL LAKE B	1 299	0.80	0.25	779	416	363	38	13 674	440
SWAN HILLS A	727	0.80	0.25	437	59	378	38	14 270	200
OTHER	1 026			676		676		27 049	
TOTAL-HANLAN	46 117			28 012	11 710	16 302		619 848	
HANNA 031-14W4 SECOND WHITE SPECKS E	594	0.65	0.05	367	1	366	37	13 440	1 024
UPPER MANNVILLE E		0.70	0.10				38		300
LOWER MANNVILLE F		0.80	0.10				39		2 807
U MANN E & L MANN F TOTAL	1 282	0.80	0.10	900	809	91	39	3 515	
OTHER	1 129			739	120	619		23 189	
TOTAL-HANNA	3 005			2 006	930	1 076		40 144	
HARDY 076-05W4 MCMURRAY A	1 611	0.50	0.05	766			37		16 349
MCMURRAY D	52	0.50	0.05	25			37		397
MCMURRAY E	1 342	0.50	0.05	637			37		7 077
MCMURRAY J	111	0.55	0.05	58			37		1 181
MCMURRAY K	92	0.50	0.05	44			37		465
MCMURRAY L	132	0.50	0.05	63			37		2 252
MCMURRAY N	413	0.50	0.05	197			37		2 001
MCMURRAY O	1 255	0.75	0.05	894			37		3 964
MCMURRAY Q	112	0.50	0.05	53			37		728
MCMURRAY R	36	0.50	0.05	17			37		200
MCMURRAY MU #1 TOTAL	5 156	0.55	0.05	2 754	1 836	918	37	34 205	
OTHER	931			485	77	408		15 134	
TOTAL-HARDY	6 087			3 239	1 913	1 326		49 339	
HARLECH (SA) 044-14W5 TOTAL-HARLECH	204			146		146		5 899	
HARLEY 056-27W5 LED 15-056-27	861	0.70	0.10	543		543	39	21 318	200
OTHER	92			67		67		2 673	
TOTAL-HARLEY	953			610		610		23 991	
HARMATTAN EAST 032-03W5 RUNDLE SOLN	5 622	0.39	0.30	1 535 ^b			41 ^a		
RUNDLE ASSOC	36 252	c	c	28 000 ^b	20 195 ^b	9 340	41 ^a	382 286	21 690
OTHER	1 648			963	386	577		23 273	
TOTAL-HARMATTAN EAST	43 522			30 498	20 581	9 917		405 559	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
16.45 17.10 7.70	0.092 0.070 0.060	0.85 0.90 0.85	26 180 30 330 29 000	112 101 99	0.968 0.938 0.924	0.61 0.83 0.73	2 539.8 2 535.5 2 574.6	1983 1990 1985	1990 1992 1989	SHELL DART GULF HOME MATERIAL BALANCE HOME NRTHSTR SHELL
3.58	0.335	0.70	1 130	18	0.977	0.56	299.2	1974	1990	CANST NRTHSTR
9.56 19.52 44.30	0.140 0.054 0.070	0.85 0.85 0.85	26 130 33 710 60 710	79 83 123	0.865 0.995 1.285	0.78 0.60 0.60	2 653.6 2 886.1 4 133.1	1974 1978 1980	1976 1982 1989	PANALTA PROGAS CNG HUSKY HOME PANALTA AMERADA MATERIAL BALANCE TOP/BASE TVD
22.10 18.52 19.98	0.092 0.064 0.070	0.90 0.90 0.90	43 810 43 840 43 810	144 138 124	1.093 1.096 1.087	0.72 0.71 0.72	4 624.5 4 774.4 4 715.1	1976 1979 1991	1990 1989 1991	PANALTA PANALTA ENCOR
4.09	0.140	0.50	6 250	27	0.896	0.57	903.6	1953	1990	HOME HILL NCMI PANALTA RENENER TCPL KANNGAZ WESTGAS CRESTAR PART OF 2WS POOL NO.2
2.60 1.66	0.250 0.236	0.65 0.70	9 470 9 490	36 37	0.828 0.826	0.64 0.65	1 127.4 1 150.9	1972 1949 1949	1993 1993 1993	PRODUCTION DECLINE PRODUCTION DECLINE TCPL NCMI HOME KANNGAZ CRESTAR
2.59 3.12 4.36 2.67 1.87 1.82 4.46 6.90 4.27 3.90	0.298 0.288 0.292 0.288 0.310 0.289 0.321 0.310 0.268 0.330	0.65 0.70 0.75 0.60 0.60 0.60 0.75 0.80 0.75 0.80	1 940 1 970 1 960 1 970 1 990 1 790 1 860 1 790 1 740 1 710	19 10 19 15 15 12 13 13 14 15	0.962 0.956 0.961 0.959 0.959 0.962 0.961 0.962 0.964 0.965	0.56 0.56 0.56 0.55 0.55 0.56 0.56 0.56 0.56 0.56	331.8 386.1 340.6 342.9 345.8 298.7 335.6 309.2 321.6 342.6	1979 1984 1984 1986 1986 1983 1986 1983 1988 1988	1992 1989 1992 1989 1989 1991 1992 1991 1993 1989	PRODUCTION DECLINE
										TRWENR SASKOIL BVI ATCOR ESSO NRTHSTR CANOXY KANNGAZ PANALTA NOVER
33.53	0.060	0.80	44 110	144	1.125	0.71	4 630.6	1976	1980	CANOXY BER
8.62	0.088	0.73	23 600	85	0.840	0.82	2 551.9	1954	1990	PROGAS NORCEN DEKALB TCPL PANALTA AMERADA CONC PROD, PREV GAS CYCLING, BLOWDOWN PROGAS NORCEN DEKALB TCPL PANALTA AMERADA CONC PROD, PREV GAS CYCLING, BLOWDOWN

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
HARMATTAN-ELKTON 031-04W5									
RUNDLE B SOLN	18	0.65	0.30	8 ^b			40		
RUNDLE B ASSOC	2 353	0.85	0.15	1 700 ^b	1 019 ^b	689	40	27 725	2 643
RUNDLE C SOLN	5 143	0.65	0.30	2 340 ^b			41 ^a		
RUNDLE C ASSOC	31 326	c	c	23 300 ^b	13 481 ^b	12 159	41 ^a	504 355	7 020
RUNDLE A	3 520	0.25	0.14	757	566	191	39	7 420	849
D-3 A	13 400	0.28	0.79	788	683	105	36	3 761	4 527
OTHER	89			63		63		2 468	
TOTAL-HARMATTAN-ELKTON	55 849			28 956	15 749	13 207		545 729	
HARD 101-03W6									
BLUESKY A	1 149	0.85	0.05	928	923	5	36	182	16 755
BLUESKY F	588	0.60	0.05	335		335	38	12 640	8 316
OTHER	1 449			912	404	508		18 664	
TOTAL-HARD	3 186			2 175	1 327	848		31 486	
HARPER 097-24W4									
TOTAL-HARPER	786			374		374		13 681	
HARTELL 019-02W5									
TOTAL-HARTELL	364			77	77				
HARTMAN 067-04W5									
TOTAL-HARTMAN	23			15		15		567	
HASTINGS 050-20W4									
TOTAL-HASTINGS	173			121	114	7		275	
HAYNES 038-24W4									
TOTAL-HAYNES	612			364	26	338		12 555	
HAYS 013-14W4									
ARCS 25-012-15	590	0.85	0.25	377		377	35	13 225	400
OTHER	1 743			1 084	23	1 061		37 551	
TOTAL-HAYS	2 333			1 461	23	1 438		50 776	
HAYTER 041-01W4									
TOTAL-HAYTER	726			471	46	425		15 389	
HEART LAKE 069-10W4									
TOTAL-HEART LAKE	792			395	197	198		7 259	
HEART RIVER 077-16W5									
PADDY A	900	0.50	0.05	428	225	203	37	7 592	2 673
NOTIKWIN	1 908	0.65	0.05	1 178	945	233	37	8 726	3 718
OTHER	283			189	77	112		4 164	
TOTAL-HEART RIVER	3 091			1 795	1 247	548		20 482	
HEATHDALE 027-08W4									
GLAUCONITIC F	1 010	0.75	0.05	720	12	708	38	26 592	1 988
OTHER	3 116			2 194	294	1 900		71 221	
TOTAL-HEATHDALE	4 126			2 914	306	2 608		97 813	
HECTOR 016-17W4									
UPPER MANNVILLE C	550	0.90	0.10	446	63	383	38	14 688	300
OTHER	669			478	84	394		14 903	
TOTAL-HECTOR	1 219			924	147	777		29 591	
HELDAR 058-07W5									
NORDEGG B	533	0.85	0.15	385	353	32	39	1 242	1 956
OTHER	974			661	31	630		24 555	
TOTAL-HELDAR	1 507			1 046	384	662		25 797	
HELMSDALE 026-06W4									
TOTAL-HELMSDALE	223			149	23	126		4 711	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
1.61	0.107	0.80	23 670	91	0.896	0.71	2 726.6	1960	1986	TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION, OIL DEPLETED
						0.71		1960	1986	TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION, OIL DEPLETED
21.20	0.109	0.90	25 030	94	0.873	0.71	2 740.2	1954	1983	HOME TCPL PANALTA NORCEN INVRNS CONCURRENT PRODUCTION, GAS CYCLING
8.63	0.120	0.80	24 790	75	0.887	0.71	2 780.4	1957	1993	HOME TCPL PANALTA NORCEN INVRNS CONCURRENT PRODUCTION, GAS CYCLING
22.22	0.050	0.90	32 230	110	0.777	0.92	3 351.6	1961	1983	HOME TCPL PRODUCTION DECLINE HOME TCPL NORCEN MATERIAL BALANCE
2.58	0.210	0.40	3 100	23	0.941	0.59	448.3	1973	1990	CWNGNUL
2.66	0.210	0.40	3 100	24	0.938	0.59	491.1	1975	1990	HUSKY PROGAS TCPL
9.75	0.140	0.85	11 030	38	0.793	0.86	1 337.8	1985	1988	NORCEN
2.60	0.281	0.70	1 870	21	0.964	0.55	490.7	1952	1989	PANALTA SASKOIL CNWE MATERIAL BALANCE
4.46	0.325	0.65	3 270	24	0.940	0.56	531.8	1952	1993	AMOCO PANALTA SASKOIL CNWE PRODUCTION DECLINE
2.28	0.301	0.70	9 570	32	0.844	0.60	1 000.5	1983	1993	TARRAGN TCPL CANST WESTGAS
17.65	0.152	0.50	11 820	35	0.799	0.64	1 081.7	1988	1989	TCPL SASKOIL NCMI
4.34	0.169	0.60	11 160	50	0.828	0.66	1 264.1	1980	1991	NRTHSTR DIRECT PROGAS HOME CRESTAR MATERIAL BALANCE DEEP CUT SL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
HERCULES 051-23W4 TOTAL-HERCULES	939			597	132	465		16 997	
HERRONTON 019-26W4 BELLY RIVER A		0.85	0.05				36		9 782
BELLY RIVER B		0.85	0.05				36		2 491
BELLY RIVER A & B TOTAL	1 803	0.85	0.05	1 473	1 353	120	36	4 367	
TV 21-019-25	582	0.80	0.10	419		419	39	16 467	200
OTHER	1 469			867	161	706		27 678	
TOTAL-HERRONTON	3 854			2 759	1 514	1 245		48 512	
HIGH PRAIRIE 073-16W5 TOTAL-HIGH PRAIRIE	487			342		342		12 651	
HIGH RIVER 018-29W4 TOTAL-HIGH RIVER	207			124		124		5 176	
HIGHLAND 029-02W4 TOTAL-HIGHLAND	80			55		55		2 111	
HIGHVALE 051-04W5 NORDEGG D	19	0.80	0.10	14			40		128
BANFF H SOLN	726	0.65	0.15	401			42		
NORDEGG D & BANFF H TOTAL	745	0.65	0.15	415	75	340	42	14 250	
OTHER	5 028			3 181	829	2 352		91 533	
TOTAL-HIGHVALE	5 773			3 596	904	2 692		105 783	
HILL 085-11W6 TOTAL-HILL	159			113	35	78		3 025	
HINES 086-03W6 SPIRIT RIVER F	727	0.70	0.05	484	310	174	38	6 569	3 228
OTHER	1 602			990	475	515		19 342	
TOTAL-HINES	2 329			1 474	785	689		25 911	
HINTON 051-25W5 DUNVEGAN A	640	0.50	0.05	304	269	35	38	1 331	3 395
TOTAL-HINTON	640			304	269	35		1 331	
HOLBURN 050-01W5 TOTAL-HOLBURN	1 360			905	169	736		28 767	
HOLLOW 061-20W4 TOTAL-HOLLOW	504			309	92	217		8 170	
HOLMBERG 044-17W4 BELLY RIVER A	413	0.80	0.05	314	79	235	36	8 425	3 714
GLAUCONITIC E	774	0.75	0.10	523	212	311	38	11 837	1 119
GLAUCONITIC A	569	0.75	0.05	406			36		1 586
MANNVILLE D	391	0.70	0.10	247			37		569
GLAUC A & MANNVILLE D TOTAL	960	0.75	0.05	653	261	392	37	14 394	
OTHER	4 932			3 224	1 004	2 220		83 034	
TOTAL-HOLMBERG	7 079			4 714	1 556	3 158		117 690	
HOMEGLLEN-RIMBEY 043-01W5 D-3 SOLN	2 874	0.50	0.20	1 150 ^b			39		
D-3 ASSOC	30 588	0.90	0.15	23 400 ^b	24 349 ^b	201	39	7 741	4 661
OTHER	1 528			1 012	221	791		31 517	
TOTAL-HOMEGLLEN-RIMBEY	34 990			25 562	24 570	992		39 258	
HONDO 070-27W4 TOTAL-HONDO	51			35		35		1 308	
HONEYSUCKLE 046-26W4 TOTAL-HONEYSUCKLE	468			305	148	157		6 138	
HOOKEER 015-29W4 LIV 05-015-29	711	0.70	0.20	398		398	37	14 873	200
OTHER	126			86		86		3 459	
TOTAL-HOOKEER	837			484		484		18 332	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
4.15 3.01	0.212 0.187	0.65 0.55	3 280 3 310	35 35	0.948 0.947	0.57 0.57	908.9 995.4	1973 1973 1973	1993 1993 1993	PRODUCTION DECLINE PRODUCTION DECLINE CRESTAR PANCDN NCMI KANNGAZ ESSO CWNGNUL AMERADA ATCOR NCMI
16.00	0.130	0.80	15 460	50	0.778	0.71	1 741.4	1990	1993	
1.40	0.090	0.60	17 230	49	0.761	0.73 0.74	1 587.3	1981 1981 1981	1986 1993 1993	NORCEN
3.99	0.306	0.65	2 860	29	0.949	0.56	609.9	1978	1988	HOME PANALTA AEL
4.34	0.097	0.55	54 380	97	1.229	0.59	3 188.8	1974	1993	PANALTA PRODUCTION DECLINE
2.15 5.19 2.85 4.82	0.271 0.229 0.220 0.234	0.60 0.75 0.70 0.75	3 020 7 560 7 620 7 540	14 44 33 33	0.941 0.874 0.866 0.863	0.58 0.67 0.64 0.67	392.7 1 042.4 1 028.6 1 048.5	1971 1970 1971 1977 1971	1992 1993 1986 1992 1992	SCEPTRE ESSO TCPL CNWE CNRL POCO TCPL SCEPTRE ESSO TCPL CNRL
52.52	0.080	0.90	19 530	82	0.843	0.78 0.78	2 384.5	1953 1953	1993 1993	TCPL PROGAS POCO CRESTAR PRODUCTION DECLINE CONCURRENT PRODUCTION TCPL PROGAS POCO CRESTAR PRODUCTION DECLINE CONCURRENT PRODUCTION
21.00	0.098	0.80	24 900	86	0.913	0.68	3 388.1	1980	1982	PROGAS BER

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
HOOLE 081-24W4									
WABISKAW A	932	0.70	0.05	619	616	3	37	111	8 096
WABAMUN A	1 754	0.65	0.05	1 083			36		10 045
BLUERIDGE A	34	0.60	0.05	19			37		400
WABAMUN A&BLUERIDGE A TOTAL	1 788	0.65	0.05	1 102	515	587	36	21 202	
OTHER	267			163	9	154		5 671	
TOTAL-HOOLE	2 987			1 884	1 140	744		26 984	
HORSE (SA) 058-27W5									
TOTAL-HORSE	244			158		158		6 261	
HORSEFLY LAKE 008-16W4									
TOTAL-HORSEFLY LAKE	40			26		26		879	
HOSELAW 060-06W4									
TOTAL-HOSELAW	157			98	49	49		1 829	
HOSPITAL CREEK (SA) 085-02W5									
TOTAL-HOSPITAL CREEK	10			6		6		226	
HOTCHKISS 094-01W6									
BLSK-DETR-DBLT A		0.70	0.05				36		8 063
BLSK-DETR-DBLT A		0.70	0.05				37		300
BLSK-DETR-DBLT A TOTAL	5 383	0.70	0.05	3 580	3 506	74	37	2 734	
BLUESKY A	965	0.80	0.05	733			35		5 282
BLUESKY B	343	0.70	0.05	228			37		400
BLUESKY D	630	0.80	0.05	479			37		2 177
BLUESKY E	1 355	0.80	0.05	1 030			37		4 682
BLUESKY G	23	0.60	0.05	13			37		200
BLUESKY I	6	0.70	0.05	4			36		200
SHUNDA A	2 803	0.80	0.05	2 130			37		15 097
BLUESKY&SHUNDA MU #1 TOTAL	6 125	0.80	0.05	4 617	4 008	609	35	21 540	
DEBOLT B	984	0.50	0.05	467	320	147	36	5 354	1 880
GLWD 33-092-25	610	0.90	0.05	522		522	38	19 742	200
OTHER	1 798			1 220	231	989		36 622	
TOTAL-HOTCHKISS	14 900			10 406	8 065	2 341		85 992	
HOUSE 082-15W4									
GROSMONT A	5 528	0.40	0.05	2 100	1 403	697	37	25 726	63 429
OTHER	215			113		113		4 041	
TOTAL-HOUSE	5 743			2 213	1 403	810		29 767	
HOWARD 079-05W6									
TOTAL-HOWARD	201			138		138		5 312	
HUDSON 030-02W4									
VIKING A	1 086	0.70	0.08	699	684	15	37	555	7 623
OTHER	1 427			979	118	861		31 963	
TOTAL-HUDSON	2 513			1 678	802	876		32 518	
HUNTER VALLEY 029-09W5									
RUNDLE A	2 844	0.75	0.25	1 600	945	655	38	24 582	1 117
TOTAL-HUNTER VALLEY	2 844			1 600	945	655		24 582	
HUSSAR 025-20W4									
BELLY RIVER A	424	0.80	0.05	322			37		4 984
BELLY RIVER D	281	0.80	0.05	214			37		3 699
BELLY RIVER E	4	0.80	0.05	3			37		128
BELLY RIVER F	21	0.80	0.05	16			37		250
BELLY RIVER A,D,E & F TOTAL	730	0.80	0.05	555	536	19	37	701	
MILK RIVER A	193	0.70	0.05	128			36		2 453
MEDICINE HAT A	4 344	0.70	0.03	2 950			36		63 330
BELLY RIVER C	59	0.55	0.05	30			37		646
SE ALTA GAS SYS (MU) TOTAL	4 596	0.70	0.05	3 108	413	2 695	36	98 314	
VIKING B	848	0.90	0.05	725	290	435	38	16 595	4 583
VIKING E	413	0.80	0.05	314	313	1	37	37	5 499
BASAL COLORADO A	584	0.90	0.05	500	378	122	37	4 507	6 752
BASAL COLORADO C	690	0.85	0.05	558	530	28	37	1 032	6 507

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
2.15	0.291	0.65	2 720	16	0.945	0.57	421.3	1967	1993	PROGAS
5.79	0.179	0.70	2 330	16	0.953	0.58	458.6	1967	1993	
5.15	0.132	0.55	2 230	16	0.955	0.57	479.9	1988	1990	
								1967	1991	PANALTA PROGAS AMOCO
5.02	0.201	0.75	5 500	30	0.907	0.58	728.8	1973	1991	PART OF BLSKY-DETR-DBLT NO.1 PRODUCTION DECLINE
4.70	0.201	0.65	5 500	30	0.907	0.56	709.5	1973	1991	PART OF BLSKY-DETR-DBLT NO.1 PRODUCTION DECLINE
								1973	1991	NORCEN PANALTA PART OF BLSKY-DETR-DBLT NO.1
1.56	0.232	0.50	5 450	23	0.902	0.60	675.9	1971	1981	MATERIAL BALANCE
2.90	0.180	0.75	5 420	30	0.908	0.58	690.1	1974	1986	PRODUCTION DECLINE
1.29	0.227	0.60	5 350	30	0.908	0.57	715.3	1974	1987	MATERIAL BALANCE
1.38	0.227	0.55	5 220	26	0.906	0.58	647.8	1976	1987	MATERIAL BALANCE
1.00	0.180	0.70	5 140	25	0.908	0.56	663.4	1977	1987	MATERIAL BALANCE
0.62	0.150	0.65	5 020	31	0.918	0.59	678.5	1978	1978	
3.20	0.181	0.55	5 360	29	0.906	0.58	684.2	1975	1987	MATERIAL BALANCE
								1971	1989	TCPL PANALTA AMOCO NORCEN
4.39	0.235	0.60	5 460	27	0.904	0.59	686.0	1972	1993	PANALTA PRODUCTION DECLINE
13.25	0.150	0.80	20 800	74	0.888	0.62	2 077.0	1990	1990	
26.41	0.118	0.20	1 390	18	0.972	0.57	305.0	1973	1992	PARAMNT ESSO NCMI PANALTA
1.85	0.220	0.40	6 570	32	0.892	0.58	732.7	1956	1992	TCPL PANALTA CRESTAR PART OF VIK POOL NO.5 PRODUCTION DECLINE
16.21	0.061	0.80	24 670	64	0.861	0.67	2 628.1	1962	1989	TCPL MATERIAL BALANCE TOP/BASE TVD
2.12	0.239	0.55	3 050	27	0.946	0.56	623.4	1960	1990	
1.91	0.250	0.50	3 170	27	0.944	0.56	637.6	1960	1985	
0.81	0.250	0.50	3 170	27	0.944	0.56	663.0	1968	1985	
2.16	0.250	0.50	3 170	27	0.944	0.56	694.8	1965	1988	
								1960	1990	TCPL CWNGNUL PANCDN
2.82	0.154	0.55	3 140	16	0.937	0.57	798.7	1910	1987	PART OF MILK RIV POOL NO.1
1.59	0.170	0.55	4 310	17	0.916	0.57	829.7	1904	1987	PART OF MED HAT POOL NO.1
2.22	0.230	0.55	3 170	20	0.939	0.56	649.5	1964	1984	
								1904	1984	TCPL PROGAS PANCDN NORCEN
1.50	0.203	0.75	7 740	40	0.868	0.62	1 229.1	1955	1985	TCPL PANCDN
1.08	0.203	0.70	7 930	38	0.871	0.60	1 143.4	1961	1987	TCPL PRODUCTION DECLINE
1.06	0.169	0.70	8 550	44	0.880	0.59	1 320.1	1952	1984	TCPL MATERIAL BALANCE
1.07	0.177	0.70	8 470	45	0.891	0.57	1 255.8	1955	1992	TCPL MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
HUSSAR 025-20W4 (CONTINUED)									
GLAUCONITIC B SOLN	105	0.65	0.15	58 ^b			38		
GLAUCONITIC B ASSOC	609	0.90	0.10	493 ^b	500 ^b	51	38	1 960	1 329
GLAUCONITIC A ASSOC	2 367	0.92	0.10	1 960 ^b			39		2 397
GLAUCONITIC A SOLN	572	0.65	0.25	279 ^b			39		
GLAUCONITIC A ASSOC	351	0.92	0.10	290 ^b			39		256
GLAUCONITIC A TOTAL	3 290	0.85	0.10	2 529 ^b	1 630 ^b	899	39	34 782	
GLAUCONITIC N	3 822	0.90	0.10	3 096	3 023	73	39	2 835	5 111
GLAUCONITIC P	673	0.85	0.10	515	479	36	40	1 422	150
GLAUCONITIC Q	724	0.90	0.10	587	584	3	40	119	617
GLAUCONITIC R	508	0.90	0.10	411	405	6	40	239	150
GLAUCONITIC S	118	0.75	0.10	80			39		951
GLAUCONITIC S	307	0.85	0.10	235			40		1 506
GLAUCONITIC S TOTAL	425	0.80	0.10	315	50	265	39	10 364	
GLAUCONITIC FF	581	0.80	0.15	395	367	28	39	1 089	200
GLAUCONITIC JJ	47	0.75	0.10	32			40		150
GLAUCONITIC JJ ASSOC	1 458	0.65	0.10	852			39		6 471
GLAUCONITIC JJ TOTAL	1 505	0.65	0.10	884	397	487	39	19 115	
GLAUCONITIC III	640	0.80	0.10	461	175	286	39	11 197	2 352
OSTRACOD F	1 013	0.90	0.10	821	58	763	40	30 169	3 359
OSTRACOD R	685	0.80	0.10	493	279	214	40	8 455	2 952
BASAL MANNVILLE B	1 374	0.80	0.10	989	15	974	39	38 259	953
OTHER	11 434			7 234	3 469	3 765		146 669	
TOTAL-HUSSAR	35 249			25 041	13 891	11 150		427 860	
HUXLEY 034-24W4									
VIKING A		0.70	0.10				38		4 918
UPPER MANNVILLE A		0.70	0.10				39		200
LOWER MANNVILLE A		0.70	0.10				40		300
VIK A,UMN A & LMN A TOTAL	1 699	0.70	0.10	1 070	953	117	39	4 575	
OTHER	1 819			1 082	286	796		31 095	
TOTAL-HUXLEY	3 518			2 152	1 239	913		35 670	
HYLO 065-15W4									
LOWER MANNVILLE A	838	0.70	0.05	558	205	353	37	13 089	6 122
OTHER	1 483			935	432	503		18 648	
TOTAL-HYLO	2 321			1 493	637	856		31 737	
HYTHE 073-10W6									
TOTAL-HYTHE	1 382			832	139	693		28 005	
INLAND 051-15W4									
TOTAL-INLAND	3 319			1 815	973	842		30 959	
INNISFAIL 035-01W5									
PEK 34-034-01	937	0.85	0.15	677		677	41	27 703	200
D-3 SOLN	6 000	0.60	0.40	2 160 ^b			39		
D-3 ASSOC	253	0.65	0.30	115 ^b	2 155 ^b	120	39	4 697	307
OTHER	1 371			847	14	833		33 050	
TOTAL-INNISFAIL	8 561			3 799	2 169	1 630		65 450	
INVERNESS (SA) 068-12W5									
TOTAL-INVERNESS	83			52		52		2 020	
IOSEGUN 067-20W5									
TOTAL-IOSEGUN	87			58		58		1 909	
IPIATIK 072-09W4									
GRAND RAPIDS A	707	0.60	0.05	403	377	26	37	960	8 618
GRAND RAPIDS B	674	0.50	0.05	320	236	84	37	3 095	7 704
OTHER	616			316	167	149		5 490	
TOTAL-IPIATIK	1 997			1 039	780	259		9 545	
IRON SPRINGS 011-20W4									
TOTAL-IRON SPRINGS	383			261	60	201		7 270	
IRRICANA 027-27W4									
WABAMUN A	1 778	0.45	0.15	680	555	125	36	4 534	801
WABAMUN B	901	0.55	0.20	397	3	394	37	14 397	1 930
OTHER	211			122	57	65		2 375	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
						0.67		1956	1985	TCPL MATERIAL BALANCE CONCURRENT PRODUCTION
2.29	0.203	0.70	10 140	45	0.828	0.67	1 428.8	1956	1985	TCPL MATERIAL BALANCE CONCURRENT PRODUCTION
5.14	0.227	0.75	10 200	44	0.811	0.69	1 426.9	1952	1987	CONING GAS CAP
7.19	0.219	0.75	10 240	44	0.810	0.69	1 438.1	1952	1987	CONING GAS CAP
4.38	0.209	0.70	10 140	44	0.831	0.64	1 364.8	1955	1993	TCPL CONING GAS CAP
17.37	0.220	0.75	10 270	44	0.824	0.64	1 375.0	1957	1989	TCPL PRODUCTION DECLINE NONCOMMERCIAL OIL
3.23	0.208	0.70	10 140	44	0.816	0.66	1 401.2	1960	1992	TCPL MATERIAL BALANCE
17.27	0.210	0.70	10 270	44	0.809	0.67	1 416.5	1960	1993	TCPL PRODUCTION DECLINE
1.30	0.170	0.50	10 070	41	0.810	0.67	1 392.3	1962	1992	TCPL PRODUCTION DECLINE
1.47	0.180	0.70	10 140	44	0.827	0.63	1 379.1	1962	1992	
1.85	0.170	0.85	10 070	44	0.778	0.76	1 402.7	1968	1993	PANCDN TCPL
3.00	0.160	0.60	9 630	39	0.815	0.66	1 380.2	1960	1988	TCPL PRODUCTION DECLINE
2.43	0.170	0.50	9 900	43	0.826	0.65	1 397.1	1960	1992	OIL DEPLETED
2.31	0.193	0.55	10 000	39	0.821	0.64	1 258.0	1954	1992	TCPL
1.40	0.280	0.75	9 470	44	0.828	0.66	1 393.8	1956	1973	TCPL PANCDN CRESTAR PART OF GLAUC POOL NO.6
1.74	0.200	0.70	10 220	46	0.817	0.67	1 449.1	1956	1984	TCPL
12.17	0.150	0.70	10 160	42	0.813	0.66	1 370.4	1960	1985	TCPL MATERIAL BALANCE
3.97	0.150	0.40	8 570	52	0.870	0.64	1 486.9	1962	1988	TCPL PANCDN
2.10	0.180	0.50	11 250	60	0.833	0.68	1 592.5	1963	1985	PRODUCTION DECLINE
8.10	0.123	0.70	11 420	62	0.836	0.67	1 681.6	1962	1989	PRODUCTION DECLINE
								1962	1985	TCPL PROGAS
3.62	0.273	0.55	2 460	19	0.951	0.56	482.6	1972	1988	TCPL
22.10	0.120	0.85	17 290	47	0.739	0.76	2 184.8	1991	1992	
6.52	0.058	0.85	24 480	68	0.796	0.84	2 565.9	1957	1989	TCPL GARDNER GPP
						0.84		1957	1989	TCPL GARDNER GPP
2.41	0.290	0.70	1 630	13	0.966	0.56	317.8	1974	1991	ESSO PANALTA
2.73	0.281	0.70	1 590	14	0.967	0.56	319.0	1974	1991	PANALTA
4.07	0.050	0.70	24 340	74	0.916	0.71	2 317.0	1958	1993	PANCDN PRODUCTION DECLINE
6.52	0.053	0.60	24 200	71	0.889	0.71	2 345.8	1969	1986	PANALTA PROGAS CRESTAR

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
IRRICANA 027-27W4 (CONTINUED) TOTAL-IRRICANA	2 890			1 199	615	584		21 306	
ISLAY 050-04W4 TOTAL-ISLAY	107			75	4	71		2 493	
JACK 085-04W6 TOTAL-JACK	217			150	43	107		3 974	
JARRET 063-05W5 TOTAL-JARRET	17			12		12		448	
JARVIE 063-01W5 VIKING A	520	0.80	0.05	395	52	343	38	13 154	5 293
ELLERSLIE B	626	0.75	0.05	447	136	311	39	12 005	2 153
OTHER	1 168			772	184	588		22 256	
TOTAL-JARVIE	2 314			1 614	372	1 242		47 415	
JARVIE NORTH 064-02W5 TOTAL-JARVIE NORTH	272			182		182		6 839	
JASLAN 067-21W4 TOTAL-JASLAN	109			72		72		2 700	
JAYAR 061-03W6 CARDIUM A	436	0.85	0.10	334	4	330	39	12 797	200
OTHER	845			418	66	352		14 106	
TOTAL-JAYAR	1 281			752	70	682		26 903	
JEFFREY 059-23W4 TOTAL-JEFFREY	667			436	76	360		13 628	
JENNER 020-09W4 MILK RIVER A	5 279	0.70	0.05	3 510			36		44 654
MEDICINE HAT A	1 914	0.70	0.03	1 300			36		36 071
MEDICINE HAT C	74	0.50	0.03	36			36		2 841
MEDICINE HAT D	144	0.50	0.03	70			36		4 999
SECOND WHITE SPECKS A	1 585	0.75	0.05	1 130			36		20 095
SE ALTA GAS SYS(MU) TOTAL	8 996	0.70	0.05	6 046	2 303	3 743	36	136 507	
VIKING J	566	0.80	0.05	430	311	119	37	4 415	3 222
BASAL COLORADO D	669	0.85	0.05	541	127	414	36	15 049	2 166
ARCS A	785	0.80	0.20	502	420	82	35	2 863	400
OTHER	5 995			3 965	1 463	2 502		89 947	
TOTAL-JENNER	17 011			11 484	4 624	6 860		248 781	
JILES 063-21W4 TOTAL-JILES	409			244	69	175		6 552	
JOAN 092-10W5 TOTAL-JOAN	40			22		22		807	
JOARCAM 048-21W4 VIKING C SOLN	5	0.60	0.05	3b			38		
VIKING C ASSOC	985	0.60	0.05	561b	81b	483	38	18 378	20 565
VIKING ASSOC	2 250	0.80	0.35	1 170b			37		14 101
VIKING SOLN	1 446	0.54	0.40	469b			37		
VIKING ASSOC	3	0.55	0.05	2b			38		32
VIKING TOTAL	3 699	0.70	0.35	1 641b	1 386b	255	37	9 394	
OTHER	2 045			1 417	113	1 304		48 011	
TOTAL-JOARCAM	6 734			3 622	1 580	2 042		75 783	
JOFFRE 038-26W4 BLAIRMORE J	425	0.85	0.10	325	250	75	40	3 013	486
UPPER MANNVILLE A		0.85	0.15				41		205
UPPER MANNVILLE B		0.65	0.10				40		150
BLAIRMORE C		0.85	0.10				40		894

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
1.34 3.10	0.208 0.218	0.60 0.65	5 610 6 460	32 40	0.891 0.886	0.61 0.62	674.6 905.6	1960 1965	1987 1993	PANALTA ESSO NORCEN POCO PINCL PANALTA NORCEN
9.60	0.180	0.80	16 210	70	0.853	0.65	1 935.3	1979	1992	HOME
6.02 1.23 0.66 0.73 1.02	0.154 0.170 0.139 0.139 0.216	0.55 0.55 0.60 0.60 0.60	3 140 4 310 4 450 4 450 5 690	16 17 19 19 27	0.937 0.916 0.916 0.916 0.904	0.56 0.56 0.56 0.56 0.56	394.0 480.7 480.1 505.6 664.4	1910 1904 1973 1973 1944 1904	1987 1987 1987 1987 1987 1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE PART OF MED HAT POOL NO.1 PART OF MED HAT POOL NO.3 PART OF MED HAT POOL NO.4 PART OF 2WS POOL NO.1 SHELL RENENER TCPL DIRECT PANALTA KANNGAZ NORCEN PANCDN PINCL CRESTAR SCEPTRE TCPL PANCDN AMEAGLE SCEPTRE PANCDN AMEAGLE CRESTAR PRODUCTION DECLINE NONCOMMERCIAL OIL
1.67 2.11 11.30	0.235 0.226 0.131	0.60 0.65 0.80	6 760 8 950 10 500	23 28 46	0.871 0.848 0.830	0.59 0.60 0.79	747.5 855.5 1 214.2	1971 1980 1981	1993 1983 1992	
0.95 1.91 1.55	0.167 0.196 0.205	0.50 0.70 0.70	6 000 5 960 4 640	42 38 32	0.897 0.895 0.914	0.62 0.64 0.61	983.5 985.9 990.0	1949 1949 1949	1990 1990 1992 1992 1988 1988	ESSO CWNGNUL NCMI PROGAS BVI KANNGAZ PANCDN NORCEN POCO CONCURRENT PRODUCTION ESSO CWNGNUL NCMI PROGAS BVI KANNGAZ PANCDN NORCEN POCO CONCURRENT PRODUCTION CONCURRENT PRODUCTION, GAS FLOOD CONCURRENT PRODUCTION, GAS FLOOD ASSIGNED WELL 09-18-049-21W4M ESSO CWNGNUL NCMI PROGAS BVI AMEAGLE NORCEN PANCDN POCO CONCURRENT PRODUCTION
4.77 3.91 3.35 1.62	0.145 0.230 0.120 0.147	0.75 0.90 0.75 0.75	15 150 14 180 11 200 16 110	55 68 54 56	0.780 0.791 0.803 0.785	0.71 0.75 0.71 0.72	1 791.0 1 761.0 1 784.5 1 831.7	1957 1967 1964 1958	1987 1992 1992 1992	TCPL PANALTA PRODUCTION DECLINE PRODUCTION DECLINE PRODUCTION DECLINE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
JOFFRE 038-26W4 (CONTINUED)									
U MANN A&B, BLAIR C TOTAL	941	0.85	0.10	704	683	21	40	846	
D-2 SOLN	3 938	0.32	0.45	693	535	158	43	6 761	
OTHER	4 453			2 094	443	1 651		64 007	
TOTAL-JOFFRE	9 757			3 816	1 911	1 905		74 627	
JOHN LAKE 055-01W4									
COLONY E	469	0.80	0.05	356	259	97	36	3 509	2 676
OTHER	3 456			2 150	815	1 335		44 229	
TOTAL-JOHN LAKE	3 925			2 506	1 074	1 432		47 738	
JOHNSON 016-14W4									
MILK RIVER A	536	0.70	0.05	356			36		4 306
SECOND WHITE SPECKS A	137	0.75	0.05	98			36		2 427
SE ALTA GAS SYS(MU) TOTAL	673	0.70	0.05	454	11	443	36	16 156	
OTHER	702			393	53	340		12 589	
TOTAL-JOHNSON	1 375			847	64	783		28 745	
JOLI FOU (SA) 081-20W4									
TOTAL-JOLI FOU	42			22		22		781	
JOLIET 025-07W4									
TOTAL-JOLIET	84			60		60		2 170	
JOSEPHINE 083-09W6									
KISKATINAW A	920	0.76	0.10	629	621	8	39	309	1 600
OTHER	43			31		31		1 161	
TOTAL-JOSEPHINE	963			660	621	39		1 470	
JOUSSARD (SA) 074-14W5									
TOTAL-JOUSSARD	202			141		141		5 332	
JUDSON (SA) 007-12W4									
TOTAL-JUDSON	24			16		16		585	
JUDY CREEK 063-11W5									
VIKING A SOLN	288	0.65	0.30	131b			38		
VIKING A ASSOC	2 884	0.91	0.15	2 230b	2 352b	9	38	344	8 965
BEAVERHILL LAKE A SOLN	18 889	0.45	0.30	5 950b			43		
BEAVERHILL LAKE A ASSOC		0.70	0.10		4 231b	1 719	43	73 711	
BEAVERHILL LAKE B SOLN	8 222	0.45	0.20	2 960b			43		
BEAVERHILL LAKE B ASSOC		0.70	0.10		1 927b	1 033	43	44 295	
OTHER	702			460	210	250		9 577	
TOTAL-JUDY CREEK	30 985			11 731	8 720	3 011		127 927	
JUDY CREEK SOUTH 062-12W5									
TOTAL-JUDY CREEK SOUTH	1 010			560	85	475		19 124	
JUMPBUSH 019-20W4									
TOTAL-JUMPBUSH	1 692			1 042	272	770		29 053	
JUMPING POUND 025-04W5									
MISSISSIPPIAN	6 435	0.88	0.17	4 700			39		1 303
MISSISSIPPIAN	18 209	0.88	0.17	13 300			39		1 908
MISSISSIPPIAN TOTAL	24 644	0.90	0.15	18 000	15 645	2 355	39	92 434	
OTHER	418			284		284		11 153	
TOTAL-JUMPING POUND	25 062			18 284	15 645	2 639		103 587	
JUMPING POUND WEST 025-06W5									
RUNDLE C	22 059	0.85	0.20	15 000	8 302	6 698	39	259 012	4 084
RUNDLE A		0.85	0.20				39		7 891
RUNDLE B		0.85	0.20				39		1 143
RUNDLE A & B TOTAL	52 941	0.85	0.20	36 000	22 991	13 009	39	506 310	
PEK 19-026-06	475	0.85	0.15	343		343	39	13 284	200
TV 36-024-06	1 493	0.90	0.10	1 210		1 210	39	47 081	512
TV 36-024-06	722	0.85	0.20	491		491	39	19 002	512
TOTAL-JUMPING POUND WEST	77 690			53 044	31 293	21 751		844 689	
KAHNTAH (SA) 097-18W5									
TOTAL-KAHNTAH	38			23		23		854	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
						0.86		1958 1956	1992 1993	POCO TCPL DART CWNGNUL HOME RIFE TCPL ESSO KANNGAZ POCO GARDNER
3.36	0.293	0.65	2 700	22	0.951	0.58	436.5	1975	1992	POCO AMOCO
3.33	0.154	0.55	3 140	16	0.937	0.57	342.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
0.73	0.216	0.60	5 690	27	0.904	0.56	630.1	1944 1904	1987 1989	PART OF 2WS POOL NO.1 TCPL PANCDN
9.27	0.138	0.70	15 640	69	0.845	0.66	1 749.9	1974	1992	TCPL MATERIAL BALANCE
2.40	0.184	0.65	8 890	56	0.878	0.62 0.87 0.87 0.87 0.87	1 384.6	1959 1959 1959 1959 1959	1991 1990 1990 1990 1990	CWNGNUL HUSKY AMERADA POCO MATERIAL BALANCE CONCURRENT PRODUCTION, DEEP CUT SL CWNGNUL HUSKY AMERADA POCO MATERIAL BALANCE CONCURRENT PRODUCTION, DEEP CUT SL DEEP CUT SL, GAS BREAKTHRU, GPP DEEP CUT SL, GAS BREAKTHRU, GPP GPP, DEEP CUT SL GPP, DEEP CUT SL
29.32 55.94	0.078 0.079	0.90 0.90	27 410 27 410	82 82	0.915 0.915	0.69 0.69	3 013.6 2 867.2	1944 1944 1944	1984 1984 1983	MATERIAL BALANCE DEEP CUT SL MATERIAL BALANCE DEEP CUT SL TCPL CWNGNUL
40.58 35.87 36.82	0.061 0.063 0.067	0.85 0.85 0.85	29 470 29 510 29 600	83 79 88	0.917 0.928 0.936	0.74 0.70 0.70	3 476.7 3 320.6 3 588.5	1967 1961 1963	1986 1984 1986	TCPL CWNGNUL DEEP CUT SL MATERIAL BALANCE TOP/BASE TVD, DEEP CUT SL MATERIAL BALANCE TOP/BASE TVD
13.41 28.20 20.60	0.100 0.070 0.058	0.75 0.80 0.60	30 561 22 630 23 960	104 103 105	0.976 0.927 0.917	0.67 0.66 0.72	3 430.1 3 496.9 3 554.2	1977 1983 1983	1979 1987 1986	TCPL CWNGNUL CWNGNUL TOP/BASE TVD CWNGNUL TOP/BASE TVD CWNGNUL TOP/BASE TVD

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
KAKISA (SA) 117-01W6 TOTAL-KAKISA	20			14		14		511	
KAKUT 075-03W6 TOTAL-KAKUT	687			446	37	409		15 782	
KAKWA 064-05W6 MAIN CARDIUM A ASSOC	808	0.85	0.10	618	-6	624	40	25 191	2 387
A CARDIUM A SOLN	1 796	0.65	0.15	992		992	43a	42 368	
A CARDIUM A ASSOC	1 120	c	c	840	-28	868	43a	37 072	3 432
OTHER	3 293			2 148	373	1 775		71 027	
TOTAL-KAKWA	7 017			4 598	339	4 259		175 658	
KALELAND (SA) 054-13W4 TOTAL-KALELAND	82			58		58		2 170	
KARR 065-03W6 CADOTTE A	700	0.80	0.05	532		532	39	20 631	1 577
NOTIKWIN C	1 283	0.90	0.05	1 097	12	1 085	39	42 499	1 013
NOTIKWIN B	27	0.70	0.10	17			41		570
FALHER A	254	0.80	0.10	183			40		250
BLUESKY A	15 491	0.75	0.15	9 875			41		28 436
GETHING E	114	0.75	0.10	77			38		160
CADOMIN B	1 288	0.85	0.05	1 040			39		1 776
FT ST JOHN&BHLD MU#1 TOTAL	17 174	0.75	0.15	11 192	3 869	7 323	40	295 776	
WABAMUN A	559	0.80	0.25	335	2	333	38	12 714	150
OTHER	3 520			2 370	381	1 989		77 478	
TOTAL-KARR	23 236			15 526	4 264	11 262		449 098	
KAYBOB 064-19W5 UPPER MANNVILLE A	123	0.70	0.05	82			39		150
NOTIKWIN A	8 347	0.85	0.05	6 740			39		12 056
NOTIK A & U MANN A TOTAL	8 470	0.85	0.05	6 822	5 949	873	39	33 715	
NOTIKWIN B	5 692	0.90	0.05	4 867	4 582	285	38	10 776	13 652
NOTIKWIN E	2 259	0.85	0.05	1 824	1 594	230	38	8 841	8 127
GETHING K SOLN	328	0.65	0.55	96b			39		
GETHING K ASSOC	2 696	0.75	0.10	1 820b	1 661b	255	39	9 988	2 634
GETHING L SOLN	4	0.65	0.15	3b			40		
GETHING L ASSOC	459	0.80	0.10	330b	216b	117	40	4 627	888
GETHING J	415	0.85	0.10	318	83	235	39	9 181	551
GETHING H	907	0.75	0.10	612			40		1 563
GETHING T	58	0.75	0.10	40			39		150
GETHING H & T TOTAL	965	0.75	0.10	652	133	519	40	20 501	
BEAVERHILL LAKE A SOLN	8 826	0.45	0.20	3 178b			43		
BEAVERHILL LAKE A ASSOC		0.70	0.15		2 573b	605	43	25 967	
BEAVERHILL LAKE B SOLN	572	0.65	0.15	316b			40		
BEAVERHILL LAKE B ASSOC	169	0.75	0.10	114b	147b	283	40	11 436	533
BEAVERHILL LAKE C	2 104	c	c	1 610	271	1 339	41a	55 020	1 763
OTHER	4 602			3 108	437	2 671		103 970	
TOTAL-KAYBOB	37 561			25 058	17 646	7 412		294 022	
KAYBOB SOUTH 060-18W5 VIKING A	1 074	0.90	0.10	871	517	354	39	13 969	4 932
UPPER MANNVILLE B	176	0.70	0.10	111			40		150
UPPER MANNVILLE C	118	0.75	0.10	80			40		150
BLUESKY B	1 015	0.75	0.10	685			39		1 909
U MANN B,C & BLSK B TOTAL	1 309	0.75	0.10	876	374	502	40	19 854	
BLUESKY J	8	0.50	0.15	3			40		200
GETHING A	1 045	0.75	0.05	745			39		3 807
BLUESKY J & GETHING A TOTAL	1 053	0.75	0.05	748	500	248	39	9 739	
GETHING D	1 696	0.85	0.05	1 370	289	1 081	33	35 133	3 353
GETHING K	1 504	0.85	0.10	1 150	217	933	39	35 958	2 310
GETHING P	1 082	0.85	0.10	828	577	251	39	9 822	810
GETHING R	498	0.85	0.10	381	14	367	38	13 873	1 046
GETHING H	1 923	0.75	0.05	1 370	257	1 113	39	43 285	3 873
CADOMIN D	753	0.85	0.05	608	444	164	39	6 385	440

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
3.69	0.087	0.70	13 410	49	0.786	0.68	1 667.6	1979	1993	WESTGAS UNOCAL CHEL HUSKY CANOR ESSO SCEPTRE
1.48	0.139	0.70	20 990	55	0.734	0.85	1 714.8	1978	1993	WESTGAS ESSO UNOCAL CHEL CANOR AMERADA SCEPTRE TCPL GAS CYCLING
										WESTGAS ESSO UNOCAL CHEL CANOR AMERADA SCEPTRE TCPL GAS CYCLING
4.01	0.133	0.55	15 110	58	0.858	0.58	1 962.3	1979	1989	AEC HUSKY GULF PANALTA
7.50	0.139	0.65	18 650	62	0.847	0.63	2 028.7	1988	1989	HUSKY AEC GULF PANALTA
3.34	0.115	0.60	12 250	55	0.781	0.73	1 944.4	1977	1989	PRODUCTION DECLINE
6.00	0.080	0.70	19 290		0.664	0.68	2 274.5	1982	1990	
3.31	0.113	0.70	20 480	73	0.809	0.77	2 291.0	1968	1993	
5.00	0.110	0.55	19 070	97	0.899	0.66	2 416.4	1979	1989	MATERIAL BALANCE
4.83	0.110	0.70	21 540	80	0.890	0.64	2 567.5	1979	1991	
								1968	1993	DIRECT AEC CHEL HUSKY GULF ESSO HOME PANALTA PANCDN AMEAGLE NORCEN INVRNS
22.00	0.080	0.80	34 730	108	0.980	1.02	3 622.0	1991	1992	
6.70	0.180	0.65	10 780	64	0.872	0.62	1 557.1	1964	1987	
4.16	0.189	0.65	10 550	40	0.828	0.63	1 543.4	1957	1991	MATERIAL BALANCE NONCOMMERCIAL OIL
2.84	0.159	0.65	9 790	56	0.876	0.61	1 488.0	1957	1987	PANALTA
1.93	0.164	0.65	11 890	56	0.856	0.61	1 379.6	1957	1992	GARDNER MATERIAL BALANCE NONCOMMERCIAL OIL
								1978	1993	ENCOR DIRECT PCI PANALTA NCMI POCO SUNCOR
6.19	0.159	0.70	15 240	71	0.847	0.66	1 762.4	1957	1992	PRODUCTION DECLINE
3.11	0.162	0.70	14 380	63	0.831	0.66	1 751.5	1957	1989	PRODUCTION DECLINE CONCURRENT PRODUCTION
4.37	0.150	0.70	15 530	54	0.823	0.63	1 778.9	1959	1989	PRODUCTION DECLINE CONCURRENT PRODUCTION
4.11	0.147	0.70	14 490	78	0.856	0.67	1 868.4	1981	1992	HILL PREV CONCURRENT PROD. OIL DEPLETED
3.00	0.140	0.60	15 130	65	0.836	0.66	1 817.5	1982	1990	HILL PREV CONCURRENT PROD. OIL DEPLETED
						0.79		1957	1990	PANALTA
						0.79		1957	1990	GPP, BLOWDOWN
3.11	0.057	0.75	30 520	108	0.958	0.73	2 930.7	1961	1993	GPP, BLOWDOWN
10.60	0.060	0.75	30 540	108	0.911	0.73	2 948.1	1961	1993	CONCURRENT PRODUCTION
						1.03		1972	1990	CONCURRENT PRODUCTION
										PREV GAS CYCLING, BLOWDOWN
2.50	0.134	0.55	10 010	66	0.864	0.66	1 718.1	1960	1989	NORCEN POCO
10.90	0.120	0.50	11 310	78	0.869	0.65	1 906.6	1977	1992	PRODUCTION DECLINE
7.50	0.120	0.55	15 880	68	0.836	0.66	1 899.1	1982	1993	
4.97	0.117	0.70	13 700	80	0.845	0.71	2 142.1	1977	1991	
2.40	0.110	0.70	2 600	75	0.954	0.74	2 123.2	1977	1993	SHELL PROGAS PANALTA NORCEN
3.69	0.142	0.65	14 790	83	0.879	0.63	2 154.2	1993	1993	
								1959	1993	PRODUCTION DECLINE
4.47	0.126	0.65	14 110	57	0.880	0.67	2 108.0	1977	1991	ENCOR PANALTA PROGAS DEEP CUT SL
4.37	0.137	0.70	16 990	82	0.876	0.65	2 197.6	1971	1991	GULF PANALTA PROGAS DEKALB HOME NORCEN
5.67	0.142	0.70	14 500	80	0.867	0.66	1 983.7	1961	1991	CNWE POCO SHERRIT
4.18	0.154	0.55	14 350	75	0.872	0.66	2 140.5	1992	1993	NORCEN PRODUCTION DECLINE
4.09	0.143	0.65	13 920	75	0.871	0.63	2 011.9	1957	1992	
8.02	0.150	0.65	15 130	80	0.873	0.64	1 986.0	1967	1989	TCPL PANALTA PROGAS PART OF GETHING POOL NO. 1
										PRODUCTION DECLINE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
KAYBOB SOUTH 060-18W5 (CONTINUED)									
CADOMIN K	683	0.75	0.05	486	319	167	39	6 485	150
TRIASSIC A ASSOC	1 036	0.35	0.20	290 ^b			44		1 415
TRIASSIC A SOLN	4 294	0.53	0.25	1 707 ^b			44		
TRIASSIC A ASSOC	152	0.75	0.20	91 ^b			44		545
TRIASSIC A TOTAL	5 482	0.50	0.25	2 088 ^b	1 554 ^b	534	44	23 576	
TRIASSIC B	2 206	0.80	0.10	1 589	924	665	40	26 899	1 721
BLUERIDGE A	3 771	0.35	0.40	792	215	577	40	23 080	1 559
BLUERIDGE C	1 226	0.90	0.40	662	37	625	40	25 038	200
BLUERIDGE D	646	0.90	0.40	349	3	346	40	13 923	200
NISKU A	486	0.90	0.10	393		393	42	16 329	440
BEAVERHILL LAKE A	103 728	c	c	41 300	28 551	12 749	40 ^a	505 880	24 074
OTHER	8 941			5 848	1 221	4 627		181 932	
TOTAL-KAYBOB SOUTH	138 061			61 709	36 013	25 696		1 011 160	
KEHIWIN 059-06W4									
GRAND RAPIDS A	610	0.75	0.05	435	379	56	38	2 134	3 515
OTHER	1 069			671	238	433		16 082	
TOTAL-KEHIWIN	1 679			1 106	617	489		18 216	
KEHO 011-22W4									
TOTAL-KEHO	974			532	306	226		8 036	
KELLY (SA) 073-19W4									
TOTAL-KELLY	50			28		28		1 043	
KELSEY 044-18W4									
BELLY RIVER B	832	0.75	0.05	593	500	93	38	3 490	4 623
OTHER	1 981			1 248	122	1 126		42 259	
TOTAL-KELSEY	2 813			1 841	622	1 219		45 749	
KEMP (SA) 098-23W5									
TOTAL-KEMP	14			9		9		333	
KENT 062-02W4									
GRAND RAPIDS B	508	0.65	0.05	314	201	113	38	4 239	3 502
GRAND RAPIDS D	494	0.65	0.05	305	105	200	37	7 446	902
OTHER	819			455	192	263		9 788	
TOTAL-KENT	1 821			1 074	498	576		21 473	
KIDNEY 091-04W5									
TOTAL-KIDNEY	308			148		148		5 112	
KILLAM 043-10W4									
UPPER&MIDDLE VIKING A	2 333	0.75	0.03	1 698	1 418	280	36	10 195	66 108
GLAUCONITIC HH	499	0.80	0.10	359	343	16	34	548	223
ELLERSLIE C	506	0.80	0.05	385	122	263	37	9 694	2 815
OTHER	7 657			4 900	1 956	2 944		107 022	
TOTAL-KILLAM	10 995			7 342	3 839	3 503		127 459	
KILLAM NORTH 044-13W4									
UPPER&MIDDLE VIKING A		0.70	0.03				36		61 118
BASAL MANNVILLE C		0.70	0.03				36		202
BASAL MANNVILLE U	56	0.65	0.05	34			37		200
NISKU A		0.70	0.03				36		32
U&M V A,BMN C&U &NIS TOTAL	1 677	0.70	0.05	1 135	1 061	74	37	2 774	
UPPER MANNVILLE P	468	0.75	0.05	333	128	205	37	7 665	1 323
OTHER	4 757			3 147	1 217	1 930		71 465	
TOTAL-KILLAM NORTH	6 902			4 615	2 406	2 209		81 904	
KILSYTH 065-04W5									
TOTAL-KILSYTH	30			19		19		644	
KIMIWAN 079-20W5									
TOTAL-KIMIWAN	295			210	145	65		2 398	
KINGMAN 049-19W4									
TOTAL-KINGMAN	421			270	88	182		6 744	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
6.40	0.148	0.65	14 630	80	0.875	0.64	2 058.2	1963	1989	PRODUCTION DECLINE
5.06	0.098	0.80	17 060	73	0.760	0.82	1 969.3	1962	1993	CONING GAS CAP. GPP
						0.82		1962	1993	CONING GAS CAP. GPP
2.15	0.088	0.80	17 060	73	0.760	0.82	2 079.2	1962	1992	GPP
3.47	0.111	0.75	19 310	91	0.867	0.70	2 376.6	1962	1993	ATCOR INVRNS CONING GAS CAP. GPP
21.18	0.060	0.85	25 220	106	0.845	0.88	2 902.5	1976	1986	TCPL PROGAS HOME MATERIAL BALANCE
45.90	0.060	0.90	22 750	84	0.733	1.02	2 576.6	1978	1991	GULF PANALTA PROGAS DEEP CUT SL
37.80	0.050	0.75	23 220	97	0.783	0.95	2 732.5	1991	1992	
12.20	0.050	0.80	28 270	108	0.932	0.73	2 907.7	1991	1992	
30.48	0.078	0.80	31 720	115	0.880	1.01	3 280.8	1958	1984	
								1961	1993	WESTGAS TCPL CNG PREV GAS CYCLING, BLOWDOWN
2.46	0.295	0.80	2 840	15	0.938	0.57	397.2	1971	1990	TCPL
2.65	0.276	0.50	2 870	16	0.940	0.57	428.2	1974	1993	TCPL PRODUCTION DECLINE NONCOMMERCIAL OIL
2.84	0.290	0.70	2 390	12	0.948	0.56	280.0	1967	1991	DIRECT TALISMA HUSKY PANALTA ESSO SCEPTRE NORCEN TRWENR
3.01	0.323	0.75	2 340	16	0.951	0.57	283.8	1965	1989	PARAMNT DIRECT MATERIAL BALANCE
1.47	0.164	0.35	5 500	24	0.895	0.61	657.0	1917	1993	ESSO TCPL CNRL BVI HOME PANALTA PCI NORCEN POCO PART OF VIK POOL NO.2 PRODUCTION DECLINE
4.52	0.270	0.85	7 060	31	0.867	0.69	952.2	1976	1990	TCPL PRODUCTION DECLINE
1.75	0.232	0.65	6 830	45	0.897	0.61	916.9	1957	1982	TCPL HOME
1.06	0.181	0.35	5 500	24	0.895	0.60	714.7	1917	1989	PART OF VIK POOL NO.2 MATERIAL BALANCE
0.91	0.240	0.50	6 070	28	0.891	0.60	827.4	1976	1982	PART OF VIK POOL NO.2 MATERIAL BALANCE
2.75	0.250	0.60	6 480	31	0.887	0.59	924.9	1978	1988	PART OF VIK POOL NO.2
3.30	0.200	0.65	5 240	28	0.905	0.60	832.3	1976	1982	PART OF VIK POOL NO.2 MATERIAL BALANCE
4.26	0.227	0.60	5 790	28	0.898	0.57	822.7	1917	1987	TCPL HOME POCO PART OF VIK POOL NO.2
								1976	1990	TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
KINMUNDY 025-09W4 TOTAL-KINMUNDY	37			25		25		943	
KIRBY 074-05W4									
UPPER MANNVILLE D	1 790	0.80	0.05	1 360	856	504	37	18 809	10 378
UPPER MANNVILLE J	754	0.70	0.05	502	166	336	37	12 419	10 050
UPPER MANNVILLE A	3 685	0.60	0.05	2 100			36		26 115
UPPER MANNVILLE K	958	0.75	0.05	683			37		5 688
UPPER MANNVILLE M	21	0.60	0.05	12			37		200
UPPER MANNVILLE W	6	0.50	0.05	3			37		200
UPPER MANNVILLE X	6	0.50	0.05	3			37		200
UPPER MANNVILLE Y	6	0.50	0.05	3			37		300
UPPER MANNVILLE Z	14	0.50	0.05	7			37		400
UPPER MANNVILLE CC	6	0.50	0.05	3			37		400
U MN A,K,M,W,X,Y,Z&CC TOTAL	4 702	0.65	0.05	2 814	858	1 956	36	71 042	
UPPER MANNVILLE C	2 982	0.60	0.05	1 700			37		46 729
UPPER MANNVILLE I	11 256	0.50	0.05	5 347			37		38 393
UPPER MANNVILLE R	13	0.50	0.05	7			37		200
UPPER MANNVILLE C,I&R TOTAL	14 251	0.50	0.05	7 054	5 757	1 297	37	48 093	
OTHER	3 727			1 919	370	1 549		57 446	
TOTAL-KIRBY	25 224			13 649	8 007	5 642		207 809	
KIRK WALL 027-05W4									
VIKING A	806	0.70	0.05	536	536	< 1	37	-	5 255
VIKING B	869	0.65	0.05	537	496	41	37	1 506	3 459
OTHER	404			257	21	236		8 857	
TOTAL-KIRK WALL	2 079			1 330	1 053	277		10 363	
KISKIU (SA) 057-02W6 TOTAL-KISKIU	197			133		133		5 050	
KITSIM 017-16W4 MILK RIVER A	189	0.70	0.05	125			36		2 998
MEDICINE HAT A	397	0.70	0.03	270			36		6 095
SE ALTA GAS SYS(MU) TOTAL	586	0.70	0.05	395		395	36	14 406	
OTHER	126			90	16	74		2 656	
TOTAL-KITSIM	712			485	16	469		17 062	
KITTY 085-12W5 TOTAL-KITTY	34			23		23		847	
KIYA (SA) 096-24W5 TOTAL-KIYA	16			10		10		375	
KLESKUN (SA) 072-02W6 TOTAL-KLESKUN	27			19		19		697	
KNAPPEN 001-11W4 LOWER MANNVILLE G	396	0.80	0.05	301	1	300	36	10 935	150
OTHER	497			336	146	190		7 032	
TOTAL-KNAPPEN	893			637	147	490		17 967	
KNELLER 049-23W4 TOTAL-KNELLER	755			453	222	231		8 721	
KNOPCIK 074-11W6									
DOE CREEK A	1 126	0.75	0.10	761			40		5 284
DOE CREEK C	27	0.70	0.10	17			40		615
DOE CREEK A & C TOTAL	1 153	0.75	0.10	778	602	176	40	7 042	
PADDY B	576	0.75	0.10	389	171	218	41	8 846	1 231
PADDY C	711	0.80	0.10	512	364	148	40	5 953	1 155
JURASSIC B	1 778	0.70	0.10	1 121			41		3 521
JURASSIC C	556	0.85	0.10	426			38		300
JURASSIC B & C TOTAL	2 334	0.75	0.10	1 547	876	671	41	27 196	
DOIG B	1 666	0.80	0.10	1 200	88	1 112	38	41 967	1 204
OTHER	2 536			1 740	322	1 418		52 919	
TOTAL-KNOPCIK	8 976			6 166	2 423	3 743		143 923	
KOTCHO (SA) 112-11W6 TOTAL-KOTCHO	3			2		2		72	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
3.93	0.337	0.55	2 330	20	0.955	0.55	377.2	1977	1991	PANALTA PROGAS AMOCO AEC
1.57	0.315	0.70	2 170	24	0.959	0.57	456.9	1978	1993	PROGAS PANALTA RIOALTO
4.07	0.305	0.70	1 610	18	0.969	0.57	287.4	1977	1991	
3.75	0.330	0.60	2 240	20	0.958	0.56	350.0	1978	1993	
2.10	0.350	0.60	2 320	20	0.955	0.56	377.0	1981	1989	
1.10	0.270	0.70	1 490	15	0.969	0.57	271.4	1981	1981	
1.00	0.280	0.70	1 420	17	0.971	0.57	276.2	1981	1981	
0.70	0.274	0.65	1 640	17	0.966	0.57	270.1	1981	1992	
1.05	0.297	0.70	1 600	16	0.968	0.56	228.2	1980	1993	
0.50	0.315	0.60	1 490	15	0.969	0.57	306.8	1981	1992	
2.13	0.307	0.65	1 490	18	0.970	0.56	314.5	1977	1992	DART AEC AMOCO PANALTA PROGAS
5.83	0.315	0.75	2 120	22	0.960	0.57	420.2	1978	1989	
1.80	0.320	0.70	1 580	19	0.968	0.57	340.1	1977	1993	
										ALTROAN DART AEC AMOCO HUSKY PANALTA RIOALTO PROGAS
1.19	0.303	0.65	6 570	31	0.893	0.57	796.9	1968	1987	TCPL CRESTAR PRODUCTION DECLINE
1.88	0.290	0.60	6 600	31	0.891	0.58	759.3	1971	1988	TCPL NCMI PANALTA CRESTAR PRODUCTION DECLINE
3.30	0.154	0.55	3 140	16	0.937	0.56	416.4	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
1.51	0.170	0.55	4 310	17	0.916	0.56	505.1	1904	1987	PART OF MED HAT POOL NO.1
								1904	1987	TCPL ESSO NORCEN
15.50	0.320	0.85	5 820	23	0.893	0.58	742.8	1981	1988	
2.67	0.188	0.65	6 210	39	0.867	0.66	897.5	1964	1993	
0.84	0.159	0.50	6 170	33	0.862	0.65	906.6	1985	1989	
1.90	0.135	0.70	10 920	51	0.814	0.67	1 393.3	1964	1990	ESSO PANALTA POCO PROGAS NORCEN
4.57	0.158	0.65	11 900	52	0.794	0.69	1 434.9	1974	1992	PANALTA PRODUCTION DECLINE
2.70	0.122	0.80	18 370	70	0.795	0.74	2 065.7	1984	1990	ESSO CRESTAR
14.45	0.114	0.70	16 550	71	0.852	0.67	2 013.9	1980	1993	
8.67	0.110	0.75	23 490	94	0.941	0.59	2 393.6	1989	1993	
								1980	1993	ESSO PANALTA POCO PROGAS CRESTAR
								1986	1991	PROGAS NORCEN

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
LA COREY 063-05W4 TOTAL-LA COREY	404			229	30	199		7 349	
LA GLACE 074-08W6 BLUESKY A	960	0.85	0.05	775	115	660	38	25 252	3 461
OTHER	286			141		141		5 587	
TOTAL-LA GLACE	1 246			916	115	801		30 839	
LAC LA BICHE 067-13W4 TOTAL-LAC LA BICHE	361			228	188	40		1 485	
LACOMBE 040-26W4 TOTAL-LACOMBE	638			438	213	225		8 630	
LAIT 001-10W4 TOTAL-LAIT	860			610	377	233		8 592	
LAMBERT 051-22W5 D-3 A	2 184	0.70	0.40	917	759	158	38	5 925	440
TOTAL-LAMBERT	2 184			917	759	158		5 925	
LAMONT 053-19W4 TOTAL-LAMONT	56			37	1	36		1 364	
LANAWAY 036-03W5 MANNVILLE ASSOC	626	0.70	0.15	372		372	40	14 794	748
ELKTON A SOLN	124	0.65	0.10	73 ^b			40		
ELKTON A ASSOC	348	0.80	0.10	250 ^b	71 ^b	252	40	10 088	408
OTHER	1 689			963	149	814		32 187	
TOTAL-LANAWAY	2 787			1 658	220	1 438		57 069	
LANE 065-07W4 TOTAL-LANE	143			82	50	32		1 192	
LANFINE 025-05W4 TOTAL-LANFINE	41			29		29		1 073	
LARNE 116-03W6 TOTAL-LARNE	1 087			778	57	721		26 364	
LATHOM 020-18W4 MH SD 30-020-18	889	0.80	0.05	675		675	37	24 644	200
BOW ISLAND A	600	0.85	0.05	485	325	160	36	5 805	75
UPPER MANNVILLE R	595	0.85	0.10	455	10	445	38	16 990	494
OTHER	2 478			1 542	629	913		34 291	
TOTAL-LATHOM	4 562			3 157	964	2 193		81 730	
LATHROP (SA) 088-08W6 TOTAL-LATHROP	107			66		66		2 507	
LATOR 063-02W6 WAB 29-062-03	980	0.75	0.35	478		478	39	18 546	200
OTHER	741			475	50	425		16 798	
TOTAL-LATOR	1 721			953	50	903		35 344	
LATORNELL 063-01W6 TOTAL-LATORNELL	57			40		40		1 572	
LAWRENCE 041-12W5 TOTAL-LAWRENCE	697			460		460		17 969	
LEAHURST 039-18W4 TOTAL-LEAHURST	4 455			2 857	245	2 612		100 048	
LEAMAN 055-11W5 LOWER MANNVILLE F	771	0.85	0.10	590	490	100	40	4 038	1 668
NORDEGG B	1 400	0.85	0.10	1 071	5	1 066	39	41 499	2 338
OTHER	1 747			1 169	462	707		28 267	
TOTAL-LEAMAN	3 918			2 830	957	1 873		73 804	
LECKIE 019-17W4 MILK RIVER A	549	0.70	0.05	365			36		6 136

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
3.19	0.126	0.55	12 740	60	0.867	0.61	1 595.6	1979	1993	CANST CWNGNUL BVI ESSO NORCEN ENCOR SCEPTRE
66.85	0.068	0.90	42 660	123	1.021	0.80	4 430.8	1979	1990	PANALTA MATERIAL BALANCE
4.73	0.122	0.80	17 140	68	0.788	0.78	2 234.9	1959	1983	WESTGAS SCEPTRE
7.44	0.100	0.65	17 490	71	0.820	0.71	2 377.8	1973	1992	CONCURRENT PRODUCTION
71.50	0.130	1.00	4 600	26	0.915	0.60	659.6	1974	1992	PANCDN TCPL
13.70	0.181	0.75	8 530	36	0.877	0.58	1 019.9	1972	1989	TCPL PANCDN MATERIAL BALANCE
9.48	0.165	0.65	10 480	36	0.814	0.65	1 148.0	1973	1991	TCPL PANCDN
22.50	0.095	0.85	38 910	135	1.006	0.81	3 956.0	1978	1984	HOME NORCEN BER
2.31	0.138	0.80	15 550	44	0.770	0.67	1 794.7	1972	1985	TCPL CRESTAR
6.97	0.129	0.55	12 070	62	0.846	0.66	1 641.2	1978	1993	AMOCO CANST AEC ESSO CRESTAR
4.40	0.154	0.55	3 140	16	0.937	0.56	495.8	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
LECKIE 019-17W4 (CONTINUED)									
MEDICINE HAT A	233	0.70	0.05	155			36		4 539
MEDICINE HAT C	24	0.50	0.05	11			36		833
SE ALTA GAS SYS (MU) TOTAL	806	0.70	0.05	531	67	464	36	16 922	
OTHER	276			176	109	67		2 537	
TOTAL-LECKIE	1 082			707	176	531		19 459	
LEDDY 084-25W5									
TOTAL-LEDDY	77			48		48		1 807	
LEDUC-WOODBEND 050-26W4									
ELRS 049-25	568	0.90	0.10	460		460	38	17 655	1 740
ELRS 051-26	812	0.85	0.15	587		587	40	23 222	1 459
D-2 B SOLN	1 225	0.75	0.50	460	418	42	42	1 746	
D-2 A SOLN	3 761	0.58	0.35	1 418 ^b			43		
D-2 A ASSOC	1 072	0.85	0.15	774 ^b	2 029 ^b	163	43	7 069	3 954
D-3 A SOLN	5 998	0.66	0.30	2 771 ^b			40		
D-3 A ASSOC	11 540	0.89	0.15	8 730 ^b	8 255 ^b	3 246	40	130 522	6 753
OTHER	8 209			5 206	1 739	3 467		134 919	
TOTAL-LEDUC-WOODBEND	33 185			20 406	12 441	7 965		315 133	
LEECH (SA) 060-09W5									
TOTAL-LEECH	37			25		25		965	
LEGAL 057-25W4									
UPPER MANNVILLE B	377	0.85	0.05	304	65	239	38	9 125	440
OTHER	435			288	136	152		5 697	
TOTAL-LEGAL	812			592	201	391		14 822	
LEISMER 077-09W4									
CLEARWATER A	24 291	0.65	0.05	15 000	9 084	5 916	37	221 436	72 924
OTHER	1 631			860	20	840		31 292	
TOTAL-LEISMER	25 922			15 860	9 104	6 756		252 728	
LELAND 059-26W5									
TOTAL-LELAND	43			29		29		1 135	
LEMING 065-04W4									
UPPER MANNVILLE E	427	0.75	0.05	304	224	80	37	2 963	910
OTHER	2 850			1 609	769	840		30 934	
TOTAL-LEMING	3 277			1 913	993	920		33 897	
LEO 035-17W4									
BELLY RIVER A	494	0.80	0.10	356	163	193	38	7 336	4 460
UPPER MANNVILLE F SOLN	19	0.65	0.10	11 ^b			39		
UPPER MANNVILLE F ASSOC	2 778	0.80	0.10	2 000 ^b	1 544 ^b	467	39	18 092	4 382
OTHER	1 248			750	255	495		18 777	
TOTAL-LEO	4 539			3 117	1 962	1 155		44 205	
LEOPARD 009-20W4									
TOTAL-LEOPARD	40			19	19				
LEPINE 064-03W5									
TOTAL-LEPINE	88			56		56		2 124	
LESSARD 124-17W5									
TOTAL-LESSARD	7			5		5		184	
LETHBRIDGE 008-21W4									
TOTAL-LETHBRIDGE	19			14		14		512	
LIEGE 093-21W4									
WABISKAW A	2 674	0.50	0.05	1 270			37		44 725
WABISKAW C	84	0.50	0.05	40			37		2 623
WABISKAW D	363	0.50	0.05	173			37		4 298
MCMURRAY A	1 020	0.50	0.05	485			37		19 393

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
1.19 0.73	0.170 0.140	0.55 0.60	4 310 4 450	17 19	0.916 0.916	0.56 0.56	584.4 604.0	1904 1973 1904	1988 1988 1988	DECLINE PART OF MED HAT POOL NO.1 PART OF MED HAT POOL NO.3 NORCEN TCPL PANCDN
2.23 3.81	0.160 0.200	0.70 0.70	10 340 10 000	49 55	0.826 0.831	0.69 0.71	1 355.8 1 331.1	1951 1948 1950	1973 1989 1985	NORCEN ESSO NORCEN
12.56	0.020	0.80	12 290	66	0.764	0.79 0.79 0.77	1 498.7	1947 1947 1947	1993 1993 1992	ESSO NORCEN GARDNER GPP ESSO NORCEN GARDNER GPP CWNGNUL ESSO NORCEN CONCURRENT PRODUCTION, BLOWDOWN
18.22	0.080	0.85	13 060	67	0.792	0.77	1 604.9	1947	1992	CWNGNUL ESSO NORCEN CONCURRENT PRODUCTION, BLOWDOWN
6.34	0.235	0.60	8 590	31	0.839	0.62	963.9	1988	1989	CANST
4.55	0.285	0.70	1 980	9	0.957	0.55	269.1	1974	1988	TCPL SCEPTRE TARRAGN PARAMNT HOME ESSO CANOXY KANNGAZ PROGAS AMOCO NORCEN RIOALTO MATERIAL BALANCE
1.82	0.329	0.75	2 670	20	0.948	0.56	431.7	1978	1990	ESSO PRODUCTION DECLINE
2.32	0.254	0.55	3 230	18	0.924	0.62 0.66	530.0	1973 1971	1988 1989	ESSO TCPL NCMI PANALTA AMOCO ATCOR NORCEN TCPL ATCOR PANCDN WAINOCO CONCURRENT PRODUCTION
4.80	0.213	0.70	8 030	35	0.837	0.66	1 122.9	1971	1989	TCPL ATCOR PANCDN WAINOCO CONCURRENT PRODUCTION
3.90 2.21 3.82 3.71	0.309 0.302 0.293 0.291	0.55 0.50 0.80 0.55	900 940 920 890	16 10 10 18	0.982 0.979 0.980 0.982	0.58 0.57 0.58 0.58	213.1 221.7 223.3 292.3	1959 1974 1978 1980	1990 1987 1992 1990	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
LIEGE 093-21W4 (CONTINUED)									
MCMURRAY B	12	0.50	0.05	6			37		300
MCMURRAY C	1 370	0.50	0.05	651			37		32 186
MCMURRAY D	22	0.60	0.05	12			36		200
MCMURRAY E	4	0.50	0.05	2			37		334
MCMURRAY F	37	0.50	0.05	18			37		1 285
NISKU-U IRETON-GSMT A	5 802	0.50	0.05	2 756			36		92 211
GROSMONT A	7 018	0.60	0.05	4 000			36		67 913
GROSMONT D	19	0.50	0.05	10			37		200
GROSMONT E	2 105	0.65	0.05	1 300			37		10 142
GROSMONT H	33	0.55	0.05	17			37		400
LEDUC A	2 982	0.60	0.05	1 700			37		19 737
MANN-DEVONIAN MU#1 TOTAL	23 545	0.55	0.05	12 440	11 113	1 327	37	48 489	
GROSMONT G	610	0.55	0.05	319	263	56	37	2 048	4 950
OTHER	189			102		102		3 740	
TOTAL-LIEGE	24 344			12 861	11 376	1 485		54 277	
LIMESTONE 033-10W5									
RUNDLE D	600	0.85	0.15	434	216	218	39	8 421	530
RUNDLE G	540	0.80	0.10	389	323	66	39	2 544	229
RUNDLE I	2 713	0.20	0.15	462	139	323	39	12 477	1 294
RUNDLE P	907	0.70	0.20	508	144	364	39	14 069	200
RUNDLE A		0.85	0.20				39		1 457
RUNDLE B		0.85	0.20				39		1 752
RUNDLE A & B TOTAL	10 368	0.85	0.20	7 050	4 828	2 222	39	85 836	
RUNDLE E		0.70	0.20				39		672
RUNDLE F		0.70	0.20				39		652
RUNDLE E & F TOTAL	2 071	0.70	0.20	1 160	784	376	39	14 514	
RUNDLE C	5 688	0.85	0.15	4 110			39		1 732
RUNDLE M	1 079	0.85	0.20	734			39		400
LEDUC C	177	0.75	0.30	93			37		200
RUNDLE C, M & LEDUC C TOTAL	6 944	0.85	0.15	4 937	1 846	3 091	39	119 714	
WABAMUN A	3 921	0.85	0.25	2 500	1 851	649	38	24 876	2 037
WABAMUN B	2 216	0.50	0.40	665	395	270	38	10 228	1 066
WAB 05-034-10	795	0.85	0.30	473		473	38	17 842	200
NISKU A	205	0.75	0.35	100			37		200
LEDUC A	1 459	0.75	0.35	711			37		200
NISKU A & LEDUC A TOTAL	1 664	0.75	0.35	811	422	389	37	14 506	
NISKU B	675	0.75	0.35	329			37		200
LEDUC B	956	0.85	0.35	528			37		200
NISKU B & LEDUC B TOTAL	1 631	0.80	0.35	857	244	613	37	22 938	
OTHER	459			293	211	82		3 146	
TOTAL-LIMESTONE	34 829			20 539	11 403	9 136		351 111	
LINDBERGH 057-05W4									
TOTAL-LINDBERGH	6 524			3 980	1 476	2 504		92 637	
LINK 034-17W4									
TOTAL-LINK	732			443	374	69		2 584	
LITTLE BOW 015-19W4									
UPPER MANNVILLE A	581	0.90	0.10	471	458	13	38	491	300
UPPER MANNVILLE RR	582	0.85	0.10	446	96	350	37	12 866	450
OTHER	7 195			4 347	1 090	3 257		121 561	
TOTAL-LITTLE BOW	8 358			5 264	1 644	3 620		134 918	
LITTLE SMOKY 067-22W5									
TOTAL-LITTLE SMOKY	569			390		390		15 118	
LIVOCK (SA) 085-23W4									
TOTAL-LIVOCK	2			1		1		37	
LLOYDMINSTER 050-01W4									
COLONY ASSOC	610	0.60	0.05	348	252	96	35	3 377	4 600
SPARKY DD	501	0.70	0.05	333	93	240	35	8 285	2 724
SPARKY ASSOC	58	0.70	0.05	39b			36		281
SPARKY SOLN	783	0.57	0.50	223b			36		
SPARKY ASSOC	34	0.65	0.05	21b			36		123
SPARKY ASSOC	13	0.70	0.05	9b			36		70

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
2.10	0.293	0.80	840	15	0.983	0.57	234.4	1985	1990	PRODUCTION DECLINE
3.66	0.265	0.50	880	17	0.983	0.58	257.0	1980	1990	
1.80	0.310	0.75	880	17	0.982	0.58	285.9	1985	1988	
0.90	0.306	0.45	900	22	0.983	0.55	410.1	1980	1987	MATERIAL BALANCE
2.67	0.252	0.45	920	8	0.979	0.58	231.1	1986	1989	
14.70	0.193	0.25	920	27	0.984	0.58	259.4	1974	1992	
18.68	0.119	0.45	930	18	0.981	0.58	345.4	1976	1990	MATERIAL BALANCE
4.60	0.250	0.85	960	17	0.980	0.57	274.2	1975	1988	
12.09	0.161	0.40	920	10	0.980	0.58	243.8	1981	1992	
13.40	0.120	0.25	2 000	17	0.959	0.57	260.1	1985	1990	PRODUCTION DECLINE ATCOR NRTHSTR PARAMNT PCI OMV CANOXY ESSO PANALTA PROGAS HOME CANST RIOALTO NOVER SHERRIT SUNCOR PARAMNT RIOALTO MATERIAL BALANCE
15.21	0.144	0.35	890	17	0.982	0.58	285.6	1980	1990	
								1959	1992	
6.89	0.124	0.30	880	15	0.981	0.58	243.6	1985	1992	
15.43	0.066	0.82	26 050	80	0.915	0.67	3 557.0	1975	1988	TCPL MATERIAL BALANCE CNG HUSKY PRODUCTION DECLINE TOP/BASE TVD. PRODUCING LOC IS 11-5
13.87	0.060	0.80	31 300	88	0.999	0.62	3 737.0	1977	1992	
16.75	0.063	0.90	26 020	87	0.931	0.65	3 414.9	1979	1992	
45.00	0.050	0.90	25 310	82	0.905	0.69	3 483.2	1986	1989	SHELL PANCDN TCPL TOP/BASE TVD SHELL TCPL TOP/BASE TVD MATERIAL BALANCE TOP/BASE TVD MATERIAL BALANCE TOP/BASE TVD TCPL
22.78	0.079	0.90	24 460	83	0.898	0.69	3 056.7	1975	1991	
8.26	0.075	0.85	24 460	83	0.890	0.71	3 193.5	1975	1991	
19.43	0.066	0.80	24 660	83	0.899	0.69	3 105.2	1976	1991	PRODUCTION DECLINE TOP/BASE TVD PRODUCTION DECLINE TOP/BASE TVD TCPL TOP/BASE TVD TOP/BASE TVD PRODUCTION DECLINE TOP/BASE TVD
5.68	0.063	0.75	24 660	83	0.899	0.69	3 247.3	1976	1991	
20.02	0.079	0.90	23 780	62	0.875	0.67	2 828.7	1974	1991	
17.80	0.073	0.90	24 900	72	0.890	0.69	3 094.5	1988	1991	TCPL GULF PRODUCTION DECLINE TOP/BASE TVD TCPL TCPL TOP/BASE TVD TOP/BASE TVD TOP/BASE TVD TCPL
24.38	0.050	0.80	31 890	91	0.941	0.74	3 870.5	1974	1992	
20.58	0.052	0.80	30 250	125	0.972	0.72	3 748.0	1975	1992	
17.65	0.055	0.85	31 160	116	0.904	0.81	3 755.9	1976	1992	TCPL TOP/BASE TVD TOP/BASE TVD TOP/BASE TVD TCPL TOP/BASE TVD TOP/BASE TVD TOP/BASE TVD TCPL
32.60	0.050	0.90	35 580	111	0.972	0.77	4 063.7	1992	1992	
8.64	0.060	0.80	28 980	96	0.902	0.78	3 492.0	1976	1978	
55.10	0.060	0.80	31 890	91	0.903	0.80	3 611.9	1976	1992	TCPL ALTROAN PRODUCTION DECLINE CANST PROGAS NONCOMMERCIAL OIL
20.15	0.075	0.80	31 710	88	0.895	0.81	3 830.3	1976	1988	
25.35	0.080	0.85	31 930	89	0.905	0.80	3 913.1	1976	1992	
4.30	0.195	0.65	11 580	41	0.806	0.67	1 215.9	1965	1992	CWNGNUL HUSKY NORCEN MATERIAL BALANCE COMPOSITE COLONY RESERVE, SLUSH OIL HUSKY AMEAGLE CONCURRENT PRODUCTION CONCURRENT PRODUCTION ASSIGNED WELL 05-28-049-01W4M
5.93	0.231	0.70	12 000	38	0.813	0.66	1 189.8	1980	1989	
4.30	0.300	0.60	3 050	19	0.943	0.58	536.8	1943	1985	CONCURRENT PRODUCTION CONCURRENT PRODUCTION ASSIGNED WELL 05-28-049-01W4M
2.01	0.285	0.75	4 110	21	0.928	0.58	611.5	1966	1984	
1.99	0.320	0.90	3 480	23	0.935	0.58	587.4	1943	1992	
3.01	0.320	0.80	3 480	21	0.934	0.59	580.8	1943	1992	CONCURRENT PRODUCTION CONCURRENT PRODUCTION ASSIGNED WELL 05-28-049-01W4M
1.77	0.320	0.90	3 480	23	0.936	0.59	585.5	1943	1992	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
LLOYDMINSTER 050-01W4 (CONTINUED)									
SPARKY ASSOC	3	0.70	0.05	2b			36		29
SPARKY	2	0.70	0.05	1b			36		16
SPARKY ASSOC	11	0.65	0.05	7b			36		100
SPARKY	6	0.70	0.05	4b			36		101
SPARKY	8	0.70	0.05	6b			36		128
GENERAL PETROLEUM C ASSOC	5	0.70	0.05	4b			36		75
SPARKY & GEN PETE C&D TOTAL	923	0.60	0.40	316b	312b	4	36	144	
OTHER	4 280			2 418	506	1 912		68 356	
TOTAL-LLOYDMINSTER	6 314			3 415	1 163	2 252		80 162	
LOCHEND 027-03W5									
CARDIUM A SOLN	1 228	0.65	0.20	638			41		
CARDIUM A, C & E TOTAL	1 228	0.65	0.20	638	260	378	41	15 460	
OTHER	29			16		16		648	
TOTAL-LOCHEND	1 257			654	260	394		16 108	
LOCHINVAR (SA) 041-26W4									
TOTAL-LOCHINVAR	149			97		97		3 604	
LOGAN 072-13W4									
TOTAL-LOGAN	119			67		67		2 485	
LOMOND 018-12W4									
TOTAL-LOMOND	107			61		61		2 331	
LONE 089-04W6									
TOTAL-LONE	96			64		64		2 399	
LONE PINE CREEK 030-28W4									
WABAMUN A	16 256	0.75	0.27	8 900	7 697	1 203	37	44 138	17 337
D-3 A SOLN	557	0.65	0.33	243b			35		
D-3 A ASSOC	3 074	0.50	0.33	1 030b	1 082b	191	35	6 727	1 835
OTHER	993			587	113	474		18 078	
TOTAL-LONE PINE CREEK	20 880			10 760	8 892	1 868		68 943	
LONG COULEE 016-21W4									
GLAUCONITIC F SOLN	82	0.65	0.25	40b			38		
GLAUCONITIC F ASSOC	2 259	0.80	0.20	1 446b	1 342b	144	38	5 528	1 543
GLAUCONITIC H ASSOC	586	0.80	0.05	446	248	198	38	7 512	247
GLAUCONITIC I ASSOC	1 791	0.85	0.20	1 218	1 094	124	38	4 686	1 811
GLAUCONITIC Z	603	0.85	0.25	385	81	304	38	11 622	150
SUNBURST D	800	0.90	0.15	612	429	183	39	7 073	1 359
SUNBURST G	2 920	0.80	0.25	1 752	1 622	130	38	4 996	3 206
OTHER	5 958			3 451	1 021	2 430		91 999	
TOTAL-LONG COULEE	14 999			9 350	5 837	3 513		133 416	
LOOKOUT BUTTE 001-28W4									
RUNDLE A	13 818	0.55	0.25	5 700	5 685	15	40	607	2 858
TOTAL-LOOKOUT BUTTE	13 818			5 700	5 685	15		607	
LOON 085-09W5									
TOTAL-LOON	548			299		299		11 704	
LOSEMAN (SA) 067-02W4									
TOTAL-LOSEMAN	49			27		27		1 005	
LOST 084-01W6									
TOTAL-LOST	51			33		33		1 236	
LOUISE (SA) 064-15W5									
TOTAL-LOUISE	285			183		183		7 167	
LOVETT RIVER 047-19W5									
CARDIUM A	651	0.85	0.10	498		498	40	19 945	200

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
1.17	0.320	0.90	3 480	23	0.936	0.59	596.1	1943	1992	
1.20	0.320	0.80	4 010	24	0.929	0.58	595.4	1943	1992	ASSIGNED WELL 05-28-049-01W4M
1.24	0.320	0.80	3 480	21	0.934	0.58	593.8	1943	1992	ASSIGNED WELL AO/02-29-049-01W4M
0.61	0.300	0.80	3 890	24	0.931	0.58	581.4	1943	1992	ASSIGNED WELL AO/12-23-050-02W4M
0.70	0.310	0.70	4 060	24	0.928	0.58	600.2	1943	1992	ASSIGNED WELL 01-02-050-02W4M
0.91	0.251	0.65	4 110	24	0.914	0.63	606.1	1977	1992	
								1943	1992	CWNGNUL HUSKY NORCEN CONCURRENT PRODUCTION
						0.75		1961	1992	
								1961	1992	TCPL POCO NORCEN
10.62	0.086	0.80	24 410	83	0.878	0.76	2 429.0	1955	1989	SCEPTRE TCPL MOBIL PANALTA PROGAS KANNGAZ
						0.78		1963	1985	PANCDN POCO MATERIAL BALANCE
17.43	0.070	0.85	22 480	83	0.862	0.78	2 427.1	1963	1985	TCPL NORCEN PRODUCTION DECLINE CONCURRENT
										PRODUCTION, OIL DEPLETED
										TCPL NORCEN PRODUCTION DECLINE CONCURRENT
										PRODUCTION, OIL DEPLETED
2.64	0.186	0.80	10 520	41	0.806	0.77	1 462.4	1967	1993	TCPL PRODUCTION DECLINE GPP
2.63	0.220	0.75	16 660	46	0.820	0.63	1 385.0	1967	1993	TCPL PRODUCTION DECLINE GPP
								1979	1993	AMERADA CANST TCPL PRODUCTION DECLINE
										CONCURRENT PRODUCTION
2.97	0.196	0.80	12 570	43	0.793	0.77	1 421.7	1975	1993	TCPL PRODUCTION DECLINE GPP
17.50	0.220	0.90	10 790	49	0.822	0.79	1 339.8	1989	1989	TCPL CRESTAR
3.69	0.154	0.60	13 140	43	0.773	0.75	1 427.3	1982	1989	AMOCO TCPL NCMI NRTHSTR SUMMIT NOVER
										MATERIAL BALANCE NONCOMMERCIAL OIL
4.22	0.144	0.60	13 270	44	0.758	0.84	1 444.9	1960	1992	TCPL PANALTA ESSO CRESTAR PRODUCTION
										DECLINE
35.16	0.063	0.80	32 850	88	0.936	0.98	3 626.1	1959	1984	TCPL MATERIAL BALANCE PREV GAS
										CYCLING, BLOWDOWN
20.00	0.110	0.80	17 630	60	0.814	0.67	1 802.9	1992	1993	TOP/BASE TVD

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
LOVETT RIVER 047-19W5 (CONTINUED)									
NORD 19-046-18	596	0.85	0.10	456		456	40	18 208	200
RUNDLE A	1 788	0.50	0.10	805		805	39	31 129	1 142
OTHER	794			518		518		19 764	
TOTAL-LOVETT RIVER	3 829			2 277		2 277		89 046	
LUCKY 061-18W4									
TOTAL-LUCKY	1 454			984	460	524		19 615	
LUNNFORD 059-03W5									
TOTAL-LUNNFORD	415			267	5	262		10 137	
LYLE 073-18W4									
TOTAL-LYLE	114			65		65		2 404	
LYNDON (SA) 013-30W4									
TOTAL-LYNDON	106			72		72		2 772	
LYNX 062-09W6									
DUNVEGAN B	536	0.70	0.10	338	321	17	40	675	200
OTHER	766			554	99	455		17 564	
TOTAL-LYNX	1 302			892	420	472		18 239	
MAJEAU 056-04W5									
TOTAL-MAJEAU	2 116			1 436	540	896		35 326	
MAJORVILLE 018-19W4									
UPPER MANNVILLE F	736	0.85	0.10	563	80	483	38	18 460	300
UPPER MANNVILLE K	561	0.75	0.05	400	161	239	38	9 075	150
OTHER	2 273			1 481	567	914		34 605	
TOTAL-MAJORVILLE	3 570			2 444	808	1 636		62 140	
MALMO 043-22W4									
ELLERSLIE C ASSOC	490	0.75	0.10	331	72	259	39	10 078	300
D-3 B	1 813	0.85	0.20	1 233	571	662	35	23 071	981
OTHER	2 121			1 050	356	694		26 732	
TOTAL-MALMO	4 424			2 614	999	1 615		59 881	
MANIR 072-04W6									
CHARLIE LAKE A SOLN	228	0.65	0.05	141 ^b			39		
CHARLIE LAKE A ASSOC	314	0.85	0.05	254 ^b	75 ^b	320	39	12 390	783
WAB 25-072-03	793	0.80	0.20	507		507	40	20 209	400
OTHER	508			344		344		13 391	
TOTAL-MANIR	1 843			1 246	75	1 171		45 990	
MANITO 042-20W4									
TOTAL-MANITO	356			239	18	221		7 917	
MANNING (SA) 090-25W5									
TOTAL-MANNING	60			40		40		1 498	
MANNVILLE 051-08W4									
UPPER&MIDDLE VIKING B	1 121	0.50	0.05	533	252	281	37	10 304	12 555
UPPER MANNVILLE C	796	0.70	0.05	529	499	30	37	1 120	2 523
UPPER MANNVILLE F	2 035	0.60	0.05	1 160	644	516	38	19 711	5 522
OTHER	6 495			4 301	2 047	2 254		83 806	
TOTAL-MANNVILLE	10 447			6 523	3 442	3 081		114 941	
MANNVILLE SOUTH (SA) 049-08W4									
TOTAL-MANNVILLE SOUTH	33			21		21		778	
MANNY 076-21W4									
TOTAL-MANNY	168			87		87		3 222	
MANOLA 058-02W5									
TOTAL-MANOLA	687			432	148	284		10 837	
MANYBERRIES 005-05W4									
BOW ISLAND A	789	0.90	0.05	675	564	111	35	3 901	2 970

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
20.70 13.72	0.070 0.052	0.85 0.85	30 890 33 770	102 95	0.968 1.011	0.68 0.59	3 549.0 3 587.6	1979 1958	1992 1984	PANALTA TOP/BASE TVD PANALTA BER TOP/BASE TVD
9.40	0.070	0.70	27 010	86	0.921	0.64	3 084.1	1980	1992	HUSKY PANALTA PRODUCTION DECLINE
10.25 14.00	0.223 0.243	0.75 0.85	12 740 11 930	41 44	0.806 0.828	0.64 0.63	1 390.6 1 357.8	1981 1987	1987 1989	SCEPTRE CANST BVI NORCEN SASKOIL
2.90 15.24	0.220 0.093	0.55 0.85	10 210 15 080	67 61	0.851 0.837	0.71 0.74	1 398.7 1 620.1	1983 1959	1988 1987	ATCOR TCPL NORCEN MATERIAL BALANCE CONCURRENT PRODUCTION TCPL NORCEN
2.82 23.10	0.136 0.044	0.70 0.75	15 380 29 380	68 80	0.859 0.910	0.62 0.75	1 645.4 2 736.8	1985 1985 1983	1993 1993 1988	HUSKY AMERADA CONCURRENT PRODUCTION HUSKY AMERADA CONCURRENT PRODUCTION HUSKY AMERADA
1.94 2.28 3.72	0.197 0.250 0.286	0.50 0.65 0.75	4 470 4 600 4 340	24 28 21	0.916 0.918 0.909	0.59 0.57 0.59	522.8 580.5 588.2	1972 1970 1971	1989 1984 1989	CWNGNUL PANALTA TCPL TCPL MATERIAL BALANCE TCPL NONCOMMERCIAL OIL
2.86	0.251	0.60	5 930	27	0.902	0.59	792.1	1947	1990	ALTROAN CMG MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE <small>10⁶m³</small>	POOL RECOVERY <small>frac</small>	SURFACE LOSS <small>frac</small>	INITIAL ESTABLISHED RESERVES <small>10⁶m³</small>	NET CUMULATIVE PRODUCTION <small>10⁶m³</small>	REMAINING ESTABLISHED RESERVES <small>10⁶m³</small>	GROSS HEAT VALUE <small>MJ/m³</small>	REMAINING ENERGY CONTENT <small>TJ</small>	
MANYBERRIES 005-05W4 (CONTINUED) SUNBURST D SOLN	131	0.65	0.05	81b			37		
SUNBURST D ASSOC	329	0.70	0.05	219b	182b	118	37	4 396	140
OTHER	2 724			1 659	733	926		33 723	
TOTAL-MANYBERRIES	3 973			2 634	1 479	1 155		42 020	
MANYBERRIES SOUTH (SA) 003-06W4 TOTAL-MANYBERRIES SOUTH	88			67		67		2 468	
MARIE 065-02W4 TOTAL-MARIE	881			494	97	397		14 764	
MARKERVILLE 036-02W5 PEKISKO A	1 865	0.80	0.10	1 343	438	905	40	36 137	3 466
OTHER	1 713			1 189	275	914		36 331	
TOTAL-MARKERVILLE	3 578			2 532	713	1 819		72 468	
MARLBORO 055-19W5 LEDUC A	6 123	0.70	0.30	3 000	1 844	1 156	37	43 049	679
OTHER	159			112	19	93		3 610	
TOTAL-MARLBORO	6 282			3 112	1 863	1 249		46 659	
MARLOWE 122-21W5 TOTAL-MARLOWE	15			10		10		354	
MARTEN 076-04W5 TOTAL-MARTEN	288			165		165		6 163	
MARTEN HILLS 075-25W4 GRAND RAPIDS A	579	0.75	0.05	413	3	410	37	15 232	3 973
WABISKAW C	622	0.80	0.05	473	171	302	37	11 189	3 089
WABISKAW A	23 553	0.80	0.05	17 900			37		85 439
WABAMUN A	9 069	0.65	0.05	5 600			37		32 374
WBSK A & WAB A TOTAL	32 622	0.75	0.05	23 500	19 848	3 652	37	135 562	
WABAMUN C	1 104	0.75	0.05	787	2	785	37	29 053	8 284
OTHER	3 124			1 759	458	1 301		48 303	
TOTAL-MARTEN HILLS	38 051			26 932	20 482	6 450		239 339	
MARWAYNE 053-03W4 TOTAL-MARWAYNE	423			283		283		10 351	
MATZIWIN 024-14W4 MILK RIVER A	2 827	0.70	0.05	1 880			36		19 157
MEDICINE HAT A	2 106	0.70	0.03	1 430			36		16 605
MEDICINE HAT C	68	0.50	0.03	33			36		2 328
MEDICINE HAT D	208	0.50	0.03	101			36		5 922
SECOND WHITE SPECKS A	84	0.75	0.05	60			36		1 278
SE ALTA GAS SYS(MU) TOTAL	5 293	0.70	0.05	3 504	1 396	2 108	36	76 879	
OTHER	1 458			957	324	633		23 993	
TOTAL-MATZIWIN	6 751			4 461	1 720	2 741		100 872	
MAX (SA) 075-19W4 TOTAL-MAX	123			70		70		2 594	
MAY (SA) 075-11W4 TOTAL-MAY	17			13		13		485	
MCADAM (SA) 082-14W4 TOTAL-MCADAM	37			22		22		811	
MCGREGOR 017-20W4 TOTAL-MCGREGOR	1 171			733	135	598		22 395	
MCGUFFIN (SA) 066-12W4 TOTAL-MCGUFFIN	361			199		199		7 314	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
1.69	0.215	0.55	8 890	30	0.850	0.59	1 092.9	1971	1992	HOME CMG PRODUCTION DECLINE CONCURRENT PRODUCTION
						0.59		1971	1992	HOME CMG PRODUCTION DECLINE CONCURRENT PRODUCTION
11.24	0.062	0.75	18 330	76	0.824	0.74	2 270.8	1976	1991	ESSO POCO KANNGAZ PROGAS MATERIAL BALANCE
59.46	0.063	0.90	34 520	130	0.987	0.73	3 686.5	1965	1987	MATERIAL BALANCE
4.05	0.332	0.50	2 070	21	0.960	0.56	536.2	1962	1992	TCPL
4.07	0.287	0.60	2 960	35	0.952	0.56	794.3	1971	1975	DIRECT TCPL
4.34	0.278	0.65	2 700	27	0.952	0.56	651.8	1961	1985	MATERIAL BALANCE
11.39	0.155	0.55	2 710	28	0.952	0.57	716.5	1961	1982	SHELL TCPL ATCOR HUSKY PANALTA PINCL
4.66	0.166	0.65	2 740	35	0.954	0.57	773.0	1966	1987	ULSTER CNRL CANST KANNGAZ WESTGAS
										TCPL DIRECT
4.06	0.154	0.55	3 140	16	0.937	0.56	411.4	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
2.94	0.170	0.55	4 310	17	0.916	0.56	497.2	1904	1987	PART OF MED HAT POOL NO.1
0.74	0.139	0.60	4 450	19	0.916	0.56	497.9	1973	1987	PART OF MED HAT POOL NO.3
0.89	0.139	0.60	4 450	19	0.916	0.56	526.7	1973	1987	PART OF MED HAT POOL NO.4
0.85	0.216	0.60	5 690	27	0.904	0.56	694.1	1944	1987	PART OF 2WS POOL NO.1
								1904	1986	CNG TCPL PANALTA AMERADA CANST CRESTAR

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
MCKINLEY 065-22W5 TOTAL-MCKINLEY	367			245	58	187		7 437	
MCLAUGHLIN 046-01W4 TOTAL-MCLAUGHLIN	145			90	21	69		2 303	
MCLEANS CREEK 074-21W5 TOTAL-MCLEANS CREEK	318			213		213		7 453	
MCLEOD 054-14W5 CARDIUM A SOLN	13	0.60	0.10	7 ^b			38		
CARDIUM A ASSOC	1 175	0.75	0.10	793 ^b	752 ^b	48	38	1 831	5 086
GETHING D	977	0.85	0.15	706	205	501	40	20 245	1 694
GETHING O	718	0.75	0.10	485	65	420	40	16 897	1 200
GETHING C	1 823	0.75	0.10	1 230			40		1 950
GETHING H	1 193	0.60	0.10	644			40		1 868
ROCK CREEK A	2 270	0.70	0.10	1 430			40		3 214
GETH C,H & ROCK CK A TOTAL	5 286	0.70	0.10	3 304	806	2 498	40	100 195	
WINT 31-054-14	988	0.90	0.40	533		533	42	22 530	200
OTHER	2 819			1 906	204	1 702		66 938	
TOTAL-MCLEOD	11 976			7 734	2 032	5 702		228 636	
MCMILLAN 074-17W4 GROSMONT A	593	0.70	0.05	394	317	77	37	2 842	4 702
OTHER	331			187	146	41		1 523	
TOTAL-MCMILLAN	924			581	463	118		4 365	
MCMULLEN 077-26W4 WABISKAW A		0.65	0.05				37		2 978
WABAMUN A		0.65	0.05				37		200
WBSK A & WAB A TOTAL	918	0.65	0.05	567	567	< 1	37	-	
OTHER	403			226	30	196		7 296	
TOTAL-MCMULLEN	1 321			793	597	196		7 296	
MEADOW 062-25W4 TOTAL-MEADOW	163			117	6	111		4 175	
MEANDER (SA) 115-21W5 TOTAL-MEANDER	11			7		7		267	
MEANOOK 063-22W4 TOTAL-MEANOOK	1 433			980	571	409		15 385	
MEDALLION 019-27W4 RUNDLE A	591	0.75	0.20	354	34	320	39	12 602	400
OTHER	337			231	31	200		7 801	
TOTAL-MEDALLION	928			585	65	520		20 403	
MEDICINE HAT 013-03W4 MILK RIVER A	46 016	0.70	0.05	30 600			36		379 324
MEDICINE HAT A	79 302	0.65	0.03	50 000			36		473 775
SECOND WHITE SPECKS P	6	0.80	0.05	5			36		128
SECOND WHITE SPECKS J	413	0.80	0.05	314			36		5 180
LOWER COLORADO SAND A	351	0.75	0.05	250			36		5 560
MEDICINE HAT C	5 360	0.50	0.03	2 600			36		150 927
MEDICINE HAT D	4 948	0.50	0.03	2 400			36		130 618
SECOND WHITE SPECKS A	7 299	0.75	0.05	5 200			36		65 547
SECOND WHITE SPECKS M	11	0.80	0.05	9			36		200
SECOND WHITE SPECKS D	2 106	0.70	0.05	1 400			36		25 157
SECOND WHITE SPECKS K	5	0.75	0.05	4			36		200
SECOND WHITE SPECKS L	13	0.80	0.05	10			37		200
SE ALTA GAS SYS(MU) TOTAL	145 830	0.65	0.05	92 792	79 775	13 017	36	474 470	
SECOND WHITE SPECKS F	458	0.75	0.05	327		327	37	11 939	1 800
BOW ISLAND B	1 267	0.40	0.05	482	436	46	36	1 666	3 540
BOW ISLAND L	510	0.80	0.05	388	387	1	37	37	3 642
OTHER	6 490			4 546	1 783	2 763		99 370	
TOTAL-MEDICINE HAT	154 555			98 535	82 381	16 154		587 482	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
4.81	0.093	0.55	9 260	56	0.852	0.68	1 516.6	1972	1988	CHEL TCPL NRTHRGE ATCOR ESSO SCEPTRE NORCEN CRESTAR CONCURRENT PRODUCTION CHEL TCPL NRTHRGE ATCOR ESSO SCEPTRE NORCEN CRESTAR CONCURRENT PRODUCTION CANOXY CHEL NRTHRGE ATCOR POCO CRESTAR POCO NRTHRGE NONCOMMERCIAL OIL
3.92	0.135	0.65	16 450	73	0.806	0.75	2 125.7	1982	1992	
3.03	0.150	0.70	15 650	76	0.834	0.70	2 121.7	1984	1991	
5.79	0.146	0.65	16 710	71	0.812	0.72	2 055.3	1980	1990	
3.50	0.163	0.70	15 950	70	0.827	0.68	1 960.3	1987	1990	
4.68	0.150	0.60	16 910	70	0.836	0.68	1 982.0	1963	1991	NONCOMMERCIAL OIL
								1963	1990	CANOXY MOBIL NRTHRGE POCO AMOCO NORCEN SCEPTRE CRESTAR
27.76	0.080	0.80	26 480	80	0.767	0.90	2 652.7	1976	1977	
9.77	0.120	0.40	2 050	19	0.960	0.57	464.4	1971	1992	CNRL PRODUCTION DECLINE
3.46	0.310	0.75	2 740	19	0.946	0.56	547.7	1968	1991	PRODUCTION DECLINE
5.80	0.160	0.60	2 630	19	0.948	0.56	547.9	1968	1991	PRODUCTION DECLINE
								1968	1991	TCPL DART CNRL CANST
7.45	0.124	0.75	19 280	54	0.786	0.73	2 072.2	1988	1991	NORCEN WAINOCO DEEP CUT SL
5.15	0.154	0.55	3 140	16	0.937	0.56	373.3	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
3.88	0.170	0.55	4 310	17	0.916	0.56	436.1	1904	1987	PART OF MED HAT POOL NO.1
0.80	0.160	0.60	5 740	19	0.895	0.57	562.8	1978	1987	
1.42	0.150	0.60	5 790	21	0.898	0.57	591.1	1977	1985	
1.13	0.160	0.50	6 520	25	0.890	0.56	753.8	1977	1979	
0.90	0.139	0.60	4 450	19	0.916	0.56	420.2	1973	1989	PART OF MED HAT POOL NO.3
0.96	0.139	0.60	4 450	19	0.916	0.56	464.1	1973	1989	PART OF MED HAT POOL NO.4
1.44	0.216	0.60	5 690	27	0.904	0.56	569.9	1944	1987	PART OF 2WS POOL NO.1
1.10	0.150	0.60	5 330	19	0.902	0.57	562.4	1981	1983	
1.73	0.171	0.55	4 900	23	0.915	0.58	652.9	1975	1990	
0.90	0.150	0.60	5 790	19	0.894	0.57	550.2	1977	1987	PRODUCTION DECLINE
1.21	0.160	0.55	5 700	20	0.894	0.56	619.7	1977	1981	
								1904	1989	AEC ALTROAN CANST AMERADA KANNGAZ ESSO DIRECT CTYMEDH TCPL CWNGNUL NCMI PANALTA RENENER BVI HOME SASKEN LOMALTA POCO SUNCOR ALTROAN CRESTAR
1.68	0.198	0.60	5 690	27	0.904	0.57	688.3	1976	1992	TCPL KANNGAZ CRESTAR MATERIAL BALANCE
1.75	0.282	0.60	6 520	24	0.887	0.57	796.1	1948	1983	
1.49	0.214	0.70	5 840	23	0.895	0.56	657.7	1977	1990	DIRECT CWNGNUL ALTROAN CRESTAR

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
MEDICINE LODGE 052-21W5									
CARD SD 20-052-21	498	0.75	0.10	337		337	39	13 231	128
VIKING A	1 241	0.85	0.10	950	511	439	40	17 411	2 213
WABAMUN A	1 179	0.80	0.20	754	505	249	38	9 450	200
WAB 16-052-21	517	0.70	0.05	344		344	38	13 041	400
WAB 33-051-21	675	0.85	0.20	459		459	38	17 410	200
OTHER	798			582		582		21 955	
TOTAL-MEDICINE LODGE	4 908			3 426	1 016	2 410		92 498	
MEDICINE RIVER 039-03W5									
GLAUCONITIC A ASSOC	1 592	0.85	0.15	1 150 ^b			41		2 014
GLAUCONITIC A SOLN	3 794	0.38	0.20	1 154 ^b			41		
GLAUCONITIC A ASSOC	75	0.85	0.15	54 ^b			41		101
GLAUCONITIC A TOTAL	5 461	0.50	0.20	2 358 ^b	929 ^b	1 429	41	58 132	
GLAUCONITIC D		0.75	0.10				40		150
OSTRACOD A ASSOC		0.75	0.15				40		987
OSTRACOD A SOLN	220	0.43	0.35	62 ^b			40		
OSTRACOD A ASSOC		0.75	0.15				40		224
OSTRACOD A ASSOC		0.75	0.15				40		168
GLAUC D & OST A TOTAL	833	0.65	0.15	458 ^b	446 ^b	12	40	474	
OSTRACOD C SOLN	90	0.60	0.45	30 ^b			42		
OSTRACOD C ASSOC	2 533	0.85	0.15	1 830 ^b	1 725 ^b	135	42	5 608	2 923
BASAL QUARTZ B ASSOC	61	0.70	0.10	39 ^b			38		175
BASAL QUARTZ B SOLN	1 846	0.39	0.45	396 ^b			38		
BASAL QUARTZ B ASSOC	13	0.70	0.10	8 ^b			38		32
BASAL QUARTZ B TOTAL	1 920	0.40	0.45	443 ^b	7 ^b	436	38	16 764	
BASAL QUARTZ LL ASSOC	497	0.85	0.15	359			41		397
BASAL QUARTZ LL ASSOC	65	0.75	0.10	44			38		117
BASAL QUARTZ LL TOTAL	562	0.85	0.15	403		403	41 ^a	16 366	
JURASSIC D SOLN	1 171	0.41	0.30	336 ^b			44		
JURASSIC D ASSOC	475	0.85	0.20	323 ^b	238 ^b	421	44	18 339	303
JURASSIC M	594	0.75	0.10	401	286	115	38	4 403	200
PEKISKO N ASSOC	1 653	0.80	0.10	1 190		1 190	39	46 743	1 480
PEKISKO I ASSOC	106	0.75	0.20	64 ^b			42		187
PEKISKO I SOLN	623	0.60	0.20	299 ^b			42		
PEKISKO I ASSOC	3	0.75	0.20	2 ^b			42		10
PEKISKO I TOTAL	732	0.60	0.20	365 ^b	282 ^b	83	42	3 474	
PEKISKO P	687	0.85	0.10	526	495	31	38	1 174	400
PEKISKO W	579	0.80	0.15	394	80	314	40	12 695	128
OTHER	15 029			7 615	2 268	5 347		211 478	
TOTAL-MEDICINE RIVER	32 319			16 672	6 756	9 916		395 650	
MEDLEY (SA) 070-02W4									
TOTAL-MEDLEY	379			224		224		8 263	
MEEKWAP 066-15W5									
D-2 A SOLN	1 446	0.51	0.45	405	276	129	41	5 267	
OTHER	51			26		26		1 062	
TOTAL-MEEKWAP	1 497			431	276	155		6 329	
MEGA 101-07W6									
TOTAL-MEGA	122			73		73		2 743	
MEIKLE (SA) 099-17W5									
TOTAL-MEIKLE	44			25		25		928	
MELLOWDALE 060-03W5									
TOTAL-MELLOWDALE	270			176	44	132		5 113	
MEYER 070-25W4									
TOTAL-MEYER	2 409			1 566	492	1 074		40 610	
MICHICHI 030-18W4									
BELLY RIVER F		0.70	0.05				37		2 420
BELLY RIVER U		0.70	0.05				37		250
BELLY RIVER F & U TOTAL	754	0.70	0.05	502	439	63	37	2 326	
UPPER MANNVILLE B	135	0.75	0.10	91			38		888
LOWER MANNVILLE E	378	0.85	0.10	289			38		911

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
10.40 1.87 12.95	0.210 0.134 0.100	0.85 0.80 0.75	21 290 37 710 36 300	72 98 127	0.837 1.033 1.035	0.73 0.74 0.66	2 395.6 2 873.6 3 771.3	1988 1975 1977	1989 1991 1993	PANALTA NCMI PROGAS AMERADA PRODUCTION DECLINE TOP/BASE TVD PROGAS AMERADA TOP/BASE TVD PROGAS HOME AMERADA
7.32 19.83	0.090 0.090	0.75 0.75	36 900 36 900	107 127	1.055 1.040	0.57 0.66	3 718.6 3 920.9	1977 1979	1982 1982	
3.59 2.50	0.122 0.135	0.70 0.85	26 150 26 150	66 66	0.851 0.852	0.77 0.77	2 203.0 2 190.7	1963 1963 1963	1991 1991 1991	CONCURRENT PRODUCTION CONCURRENT PRODUCTION
4.27 1.86	0.110 0.134	0.80 0.85	18 460 18 510	69 63	0.812 0.837	0.74 0.68	2 073.6 2 087.5	1961 1961	1993 1993	HOME DIRECT ESSO PROGAS TCPL WESTGAS PANALTA PANCDN POCO CRESTAR CONCURRENT PRODUCTION PRODUCTION DECLINE PRODUCTION DECLINE CONCURRENT PRODUCTION PRODUCTION DECLINE CONCURRENT PRODUCTION PRODUCTION DECLINE CONCURRENT PRODUCTION PRODUCTION DECLINE TCPL NORCEN CRESTAR CONCURRENT PRODUCTION DIRECT TCPL PROGAS PANCDN CRESTAR PRODUCTION DECLINE CONCURRENT PRODUCTION DIRECT TCPL PROGAS PANCDN CRESTAR PRODUCTION DECLINE CONCURRENT PRODUCTION GPP GPP
1.34 1.46	0.140 0.140	0.70 0.65	18 730 18 510	63 63	0.837 0.837	0.68 0.68	2 068.7 2 078.1	1961 1961	1992 1992	ASSIGNED WELL 16-20-039-03W5M TCPL BLUERGE PANCDN CRESTAR GPP
3.09 2.18	0.129 0.139	0.75 0.70	22 130 16 130	68 65	0.816 0.821	0.72 0.71	2 282.2 2 161.4	1963 1959 1959	1989 1990 1990	
2.44 7.97 3.32	0.146 0.133 0.142	0.70 0.75 0.70	16 130 15 600 16 280	65 70 63	0.821 0.822 0.820	0.71 0.72 0.71	2 111.9 2 113.3 2 103.1	1959 1959 1959	1986 1993 1993	
8.16 13.60 9.79 4.63	0.142 0.170 0.095 0.089	0.75 0.80 0.75 0.75	16 130 15 630 15 980 16 690	63 63 71 69	0.757 0.824 0.825 0.758	0.79 0.69 0.71 0.85	2 125.3 2 161.0 2 131.4 2 177.3	1959 1959 1962 1954	1991 1991 1989 1993	TCPL NORCEN PANCDN GPP TCPL NORCEN PANCDN GPP TCPL TCPL PROGAS PANCDN CRESTAR GPP GPP
2.10 22.30 36.80	0.089 0.100 0.110	0.75 0.75 0.75	16 670 16 380 15 010	66 59 71	0.750 0.816 0.833	0.85 0.70 0.71	2 182.3 2 118.9 2 150.0	1954 1963 1954 1963 1986	1993 1993 1993 1993 1992	NORCEN TCPL CRESTAR GPP TCPL PRODUCTION DECLINE CNWE
						0.75		1966	1991	
4.68 2.10	0.285 0.210	0.55 0.45	3 060 3 550	24 22	0.945 0.934	0.56 0.57	621.7 544.6	1980 1990	1993 1993	PRODUCTION DECLINE PRODUCTION DECLINE
1.62 4.63	0.171 0.137	0.50 0.60	9 710 9 810	38 41	0.810 0.816	0.68 0.68	1 311.7 1 322.7	1980 1975	1993 1985 1985	NOVER KANNGAZ PANALTA POCO PROGAS RENENER

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
MICHICHI 030-18W4 (CONTINUED)									
U MANN B & L MANN E TOTAL	513	0.80	0.10	380	148	232	38	8 844	
LOWER MANNVILLE B SOLN	17	0.65	0.10	10 ^b			40		
LOWER MANNVILLE B ASSOC	742	0.80	0.10	535 ^b	121 ^b	424	40	16 748	1 796
OTHER	2 291			1 438	529	909		34 964	
TOTAL-MICHICHI	4 317			2 865	1 237	1 628		62 882	
MIKWAN 036-23W4									
VIKING B	1 510	0.65	0.10	884	739	145	39	5 596	8 163
OTHER	6 145			3 913	1 585	2 328		88 367	
TOTAL-MIKWAN	7 655			4 797	2 324	2 473		93 963	
MILLIGAN (SA) 097-13W6									
TOTAL-MILLIGAN	173			112		112		4 122	
MILLS 069-11W4									
TOTAL-MILLS	384			192	160	32		1 186	
MILO 019-23W4									
TOTAL-MILO	368			249	138	111		4 087	
MINEHEAD 049-19W5									
CARDIUM D	449	0.90	0.10	364			40		400
CARDIUM E	371	0.90	0.20	267			41		300
CARDIUM D&E TOTAL	820	0.90	0.15	631	37	594	40	24 027	
CARDIUM C	4 250	0.70	0.20	2 380			40		3 147
CARDIUM F	109	0.80	0.15	74			41		150
CARDIUM C & F TOTAL	4 359	0.70	0.20	2 454	477	1 977	40	79 891	
SW HL 049-19	7 258	0.50	0.30	2 540		2 540	37	93 269	3 951
OTHER	477			300	9	291		11 782	
TOTAL-MINEHEAD	12 914			5 925	523	5 402		208 969	
MINNEHIK-BUCK LAKE 045-05W5									
ELLERSLIE A	21	0.80	0.10	15			40		150
JURASSIC A	670	0.90	0.15	513			40		1 815
ELRSL A & JUR A TOTAL	691	0.90	0.15	528	354	174	40	6 984	
PEKISKO A	28 105	0.85	0.10	21 500	18 634	2 866	40	115 528	27 878
BNFF 27-045-04	397	0.90	0.10	321		321	39	12 606	200
OTHER	3 085			1 849	616	1 233		49 316	
TOTAL-MINNEHIK-BUCK LAKE	32 278			24 198	19 604	4 594		184 434	
MINNOW 057-05W6									
TOTAL-MINNOW	98			67		67		2 494	
MIRAGE 079-07W6									
TOTAL-MIRAGE	555			365	18	347		13 017	
MISTAHAE 079-01W5									
TOTAL-MISTAHAE	244			150	88	62		2 307	
MISTY 033-05W4									
TOTAL-MISTY	550			363	117	246		9 243	
MITSUE 071-04W5									
WABISKAW D	627	0.60	0.05	357	235	122	37	4 542	2 327
GILWOOD A ASSOC	61	0.75	0.10	41 ^b			36		327
GILWOOD A SOLN	12 669	0.52	0.25	4 941 ^b			36		
GILWOOD A ASSOC	117	0.75	0.10	79 ^b			36		200
GILWOOD A ASSOC	79	0.80	0.25	47 ^b			39		400
GILWOOD A ASSOC	59	0.80	0.20	38 ^b			41		200
GILWOOD A ASSOC	172	0.80	0.20	110 ^b			38		200
GILWOOD A ASSOC	47	0.75	0.10	32 ^b			33		200
GILWOOD A ASSOC	26	0.70	0.10	16 ^b			35		200
GILWOOD A TOTAL	13 230	0.55	0.25	5 304 ^b	3 947 ^b	1 357	36	48 350	
OTHER	1 919			1 243	630	613		22 784	
TOTAL-MITSUE	15 776			6 904	4 812	2 092		75 676	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
						0.67		1968 1980	1986 1989	TCPL POCO POCO KANNGAZ NCMI TCPL CRESTAR CONCURRENT PRODUCTION
4.68	0.159	0.55	9 490	48	0.833	0.67	1 313.0	1980	1989	POCO KANNGAZ NCMI TCPL CRESTAR CONCURRENT PRODUCTION
2.18	0.131	0.55	7 110	49	0.875	0.66	1 388.8	1968	1987	CNG TCPL TRWENR MATERIAL BALANCE
4.25 5.55	0.138 0.118	0.85 0.85	23 270 22 500	72 71	0.851 0.838	0.70 0.71	2 367.8 2 334.4	1968 1987	1989 1989	DEEP CUT SL DEEP CUT SL
5.28 4.79	0.141 0.087	0.80 0.80	23 670 22 750	73 81	0.858 0.839	0.69 0.77	2 417.6 2 354.6	1968 1988	1990 1990	ESSO TCPL NRTHRGE DEEP CUT SL DEEP CUT SL
12.00	0.063	0.90	42 920	146	1.079	0.73	4 397.2	1966 1973	1990 1982	CHEL ESSO NRTHRGE TCPL PANALTA
0.80 2.25	0.100 0.111	0.85 0.80	19 463 18 950	58 82	0.803 0.822	0.70 0.78	2 081.4 2 037.9	1982 1980	1988 1990	
7.82	0.086	0.75	17 090	85	0.850	0.73	2 112.5	1952	1987	TRWENR PANALTA PROGAS
15.00	0.090	0.70	19 250	55	0.795	0.71	2 070.0	1981	1983	CANST PROGAS HOME NORCEN AMERADA PANALTA INVRNS SUNCOR MATERIAL BALANCE AEC
1.82 1.37	0.248 0.118	0.70 0.75	3 590 15 860	29 69	0.937 0.855	0.56 0.72	630.4 1 659.2	1977 1964	1988 1993	ATCOR SHELL MATERIAL BALANCE CONCURRENT PRODUCTION
4.10 1.00 2.30	0.170 0.130 0.080	0.55 0.70 0.75	14 180 18 100 17 390	51 60 52	0.817 0.710 0.707	0.72 0.92 0.84	1 663.0 1 670.2 1 676.3	1964 1964 1964	1983 1992 1983	CONCURRENT PRODUCTION ASSIGNED WELL 10-23-069-03W5M
4.20 1.20 1.20	0.150 0.170 0.120	0.65 0.65 0.70	17 930 17 310 12 080	60 51 45	0.730 0.856 0.824	0.89 0.70 0.70	1 677.7 1 680.8 1 670.3	1964 1964 1964	1983 1984 1988	ASSIGNED WELL 02-36-068-03W5M ASSIGNED WELL 06-31-068-02W5M
								1964	1993	ASSIGNED WELL 10-27-069-03W5M TCPL NCMI BVI ESSO HOME POCO SHELL GARDNER CONCURRENT PRODUCTION

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
MOBERLY (SA) 058-04W6 TOTAL-MOBERLY	478			347		347		13 383	
MONITOR 034-04W4									
UPPER MANNVILLE A	1 153	0.80	0.10	830			37		4 659
UPPER MANNVILLE C	29	0.75	0.10	20			36		150
UPPER MANNVILLE A & C TOTAL	1 182	0.80	0.10	850	166	684	37	25 089	
OTHER	406			275	88	187		6 751	
TOTAL-MONITOR	1 588			1 125	254	871		31 840	
MONTAG 085-06W6 TOTAL-MONTAG	574			435	26	409		15 714	
MONTGOMERY 012-28W4 TOTAL-MONTGOMERY	58			40		40		1 556	
MOON CREEK (SA) 059-05W6 TOTAL-MOON CREEK	252			201		201		6 916	
MOONEY 072-07W5 TOTAL-MOONEY	131			88		88		2 729	
MOONSHINE 058-01W4 TOTAL-MOONSHINE	3 184			2 038	676	1 362		49 624	
MOORE 067-04W4 TOTAL-MOORE	912			520	4	516		19 144	
MOOSE 023-06W5									
RUNDLE A	4 555	0.60	0.25	2 050	946	1 104	40	44 005	2 653
RUNDLE B	2 082	0.60	0.20	999	560	439	40	17 490	440
WAB 05-023-06	1 013	0.75	0.40	456		456	39	17 693	440
OTHER	1 091			109		109		3 534	
TOTAL-MOOSE	8 741			3 614	1 506	2 108		82 722	
MORGAN 051-04W4									
LLOYDMINSTER A ASSOC	7	0.75	0.05	5b			36		72
LLOYDMINSTER A SOLN	544	0.65	0.10	319b			36		
SPARKY A ASSOC	6	0.65	0.05	4b			37		63
SPARKY A ASSOC	8	0.75	0.05	6b			37		100
SPARKY A ASSOC	1	0.70	0.05	1b			36		16
LLOYD A & SPARKY A TOTAL	566	0.65	0.10	335b	66b	269	36	9 759	
OTHER	588			382	29	353		13 007	
TOTAL-MORGAN	1 154			717	95	622		22 766	
MORINVILLE 055-25W4									
LOWER MANNVILLE A ASSOC		0.80	0.10				38		274
LOWER MANNVILLE A SOLN	8	0.60	0.10	5b			38		
LOWER MANNVILLE A ASSOC		0.80	0.10				38		120
LOWER MANNVILLE A ASSOC		0.80	0.10				38		103
LOWER MANNVILLE A ASSOC		0.80	0.10				38		201
LOWER MANNVILLE A ASSOC		0.80	0.10				38		48
LOWER MANNVILLE A ASSOC		0.80	0.10				38		29
LOWER MANNVILLE A ASSOC		0.80	0.10				38		187
LOWER MANNVILLE A ASSOC		0.80	0.10				38		48
LOWER MANNVILLE A ASSOC		0.80	0.10				38		103
LOWER MANNVILLE A TOTAL	863	0.80	0.10	621b	611b	10	38	379	
LOWER MANNVILLE E	482	0.85	0.10	369	343	26	38	988	1 573
OTHER	3 575			2 242	1 141	1 101		42 071	
TOTAL-MORINVILLE	4 920			3 232	2 095	1 137		43 438	
MORKILL (SA) 054-10W5 TOTAL-MORKILL	19			10		10		377	
MORLEY 026-07W5 TOTAL-MORLEY	257			174	174				
MORNINGSIDE 042-28W4									
GLAUCONITIC D	1 046	0.85	0.10	800		800	39	31 208	419
ELLERSLIE F	538	0.85	0.10	411	376	35	40	1 397	300
OTHER	893			582	55	527		20 619	
TOTAL-MORNINGSIDE	2 477			1 793	431	1 362		53 224	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
1.53 1.85	0.309 0.280	0.70 0.50	6 830 6 780	27 27	0.866 0.866	0.63 0.64	800.3 811.4	1974 1977 1974	1985 1988 1985	TCPL
24.98 60.00 29.05	0.060 0.065 0.050	0.70 0.75 0.85	12 980 15 500 14 520	42 68 48	0.716 0.799 0.690	0.80 0.76 0.82	2 193.7 2 567.4 2 555.0	1960 1978 1977	1984 1989 1989	TCPL PROGAS SHELL TCPL PROGAS SHELL TOP/BASE TVD TCPL PROGAS SHELL TOP/BASE TVD
1.01 1.13 0.80 1.00	0.288 0.295 0.320 0.320	0.80 0.70 0.55 0.75	4 090 3 630 4 890 3 390	19 17 17 19	0.922 0.929 0.899 0.936	0.57 0.57 0.60 0.58	558.6 525.8 486.1 530.5	1962 1962 1962 1962	1991 1991 1988 1984 1991	GPP GPP ASSIGNED WELL 14-33-051-04W4M HUSKY NORCEN GPP
2.97 2.49 4.56 5.48 2.23 0.79 4.81 0.69 4.04 4.27	0.220 0.220 0.220 0.200 0.220 0.220 0.204 0.200 0.215 0.230	0.70 0.65 0.70 0.30 0.70 0.70 0.60 0.70 0.75 0.55	7 940 7 940 7 940 7 940 7 940 7 940 7 940 7 940 7 940 8 000	46 46 46 46 46 46 46 46 46 46	0.866 0.866 0.866 0.866 0.866 0.866 0.866 0.866 0.866 0.874	0.68 0.68 0.68 0.68 0.68 0.68 0.68 0.68 0.68 0.64	1 082.9 1 090.8 1 085.1 1 109.3 1 099.8 1 111.4 1 109.3 1 104.4 1 039.4 1 081.2	1952 1952 1952 1952 1952 1952 1952 1952 1952 1951	1992 1992 1990 1990 1990 1990 1990 1990 1990 1982	PRODUCTION DECLINE CONCURRENT PRODUCTION PRODUCTION DECLINE CONCURRENT PRODUCTION PRODUCTION DECLINE PRODUCTION DECLINE PRODUCTION DECLINE PRODUCTION DECLINE PRODUCTION DECLINE PRODUCTION DECLINE PRODUCTION DECLINE CANST ESSO GARDNER CONCURRENT PRODUCTION NORCEN PRODUCTION DECLINE
13.63 4.15	0.130 0.150	0.85 0.80	15 380 15 540	54 72	0.807 0.815	0.67 0.73	1 805.4 1 803.7	1993 1985	1993 1992	PANCDN PRODUCTION DECLINE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
MOSSLEIGH 021-24W4 TOTAL-MOSSLEIGH	172			117	42	75		2 849	
MOUNTAIN 047-22W5									
TRIASSIC A	573	0.75	0.15	366	294	72	39	2 804	200
TRIASSIC C	1 467	0.75	0.15	935	701	234	39	9 112	440
TURNER VALLEY A	480	0.75	0.10	324	68	256	38	9 828	440
OTHER	1 521			1 062	337	725		27 099	
TOTAL-MOUNTAIN	4 041			2 687	1 400	1 287		48 843	
MULLIGAN 081-08W6 TOTAL-MULLIGAN	1 782			1 156	204	952		35 778	
MURIEL LAKE 059-04W4									
MANNVILLE A		0.65	0.05				37		1 024
MANNVILLE A		0.65	0.05				37		75
MANNVILLE A		0.65	0.05				37		1 091
MANNVILLE A		0.65	0.05				37		636
MANNVILLE A TOTAL	805	0.65	0.05	497	351	146	37	5 398	
OTHER	151			98	4	94		3 505	
TOTAL-MURIEL LAKE	956			595	355	240		8 903	
MUSIDORA 052-10W4 TOTAL-MUSIDORA	719			510	218	292		10 777	
MUSKIKI (SA) 044-19W5 TOTAL-MUSKIKI	148			63		63		2 387	
MUSKWA (SA) 085-25W4 TOTAL-MUSKWA	16			10		10		369	
MUSREAU 062-06W6 TOTAL-MUSREAU	669			471	176	295		11 676	
MYSTERY 060-07W5 TOTAL-MYSTERY	53			35		35		1 323	
NAMAKA 022-24W4 TOTAL-NAMAKA	319			199		199		7 530	
NARRAWAY 064-12W6									
BELL 03-063-11	462	0.80	0.05	352		352	37	13 108	440
OTHER	73			55		55		2 098	
TOTAL-NARRAWAY	535			407		407		15 206	
NAYLOR (SA) 097-25W5 TOTAL-NAYLOR	43			27		27		1 033	
NEERLANDIA 061-05W5									
ELLERSLIE D	494	0.75	0.05	352	96	256	37	9 595	1 179
OTHER	715			477	187	290		11 110	
TOTAL-NEERLANDIA	1 209			829	283	546		20 705	
NEGUS (SA) 060-26W5 TOTAL-NEGUS	70			50		50		1 992	
NELSON 044-25W4 TOTAL-NELSON	1 220			766	112	654		25 173	
NESTOW 060-24W4									
LOWER MANNVILLE H	471	0.70	0.05	314	205	109	37	4 009	1 277
OTHER	2 062			1 354	518	836		31 130	
TOTAL-NESTOW	2 533			1 668	723	945		35 139	
NETOOK 063-10W6 TOTAL-NETOOK	822			571		571		21 713	
NEVIS 039-22W4									
EDMONTON D	736	0.50	0.05	350	287	63	37	2 317	13 197
BELLY RIVER C	1 824	0.65	0.05	1 127	565	562	37	20 794	13 832

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
6.30 8.40 17.50	0.080 0.080 0.030	0.80 0.75 0.90	28 270 29 420 29 460	96 97 99	0.954 0.964 0.975	0.65 0.65 0.63	3 202.8 3 231.2 3 342.5	1977 1980 1980	1990 1993 1984	PANALTA PRODUCTION DECLINE PANALTA PRODUCTION DECLINE TOP/BASE TVD PANALTA
2.26 4.30 1.62 1.73	0.290 0.300 0.293 0.302	0.65 0.60 0.70 0.65	2 500 2 560 2 500 2 560	15 15 15 15	0.949 0.948 0.949 0.948	0.57 0.57 0.57 0.57	384.5 407.9 393.3 416.4	1952 1952 1952 1952	1992 1992 1992 1992	PRODUCTION DECLINE PRODUCTION DECLINE ASSIGNED WELL 11-16-059-04W4M PRODUCTION DECLINE PRODUCTION DECLINE PANALTA DIRECT TRWENR
9.87	0.075	0.75	31 030	171	1.050	0.56	4 349.4	1977	1978	HOME PRO GAS BER
3.36	0.204	0.65	8 550	35	0.839	0.66	1 105.3	1982	1988	NCMI WESTGAS AMOCO NRTHSTR
3.76	0.236	0.70	5 910	40	0.905	0.61	882.6	1952	1987	PARAMNT TCPL
6.30 5.79	0.279 0.250	0.50 0.45	630 2 020	13 22	0.987 0.962	0.57 0.56	313.9 479.9	1979 1977	1993 1993	PANCDN DEKALB TCPL PANALTA ESSO NORCEN PART OF EDMONTON POOL NO.1 PANCDN DEKALB TCPL PANALTA ESSO NORCEN POCO PART OF BR POOL NO.1

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
NEVIS 039-22W4 (CONTINUED)									
VIKING A	629	0.70	0.05	418	177	241	37	8 970	2 008
LOWER MANNVILLE S	540	0.75	0.10	365	87	278	38	10 561	327
LOWER MANNVILLE Z	422	0.85	0.05	341	43	298	37	11 029	459
DEVONIAN ASSOC		0.55	0.15				40		6 364
DEVONIAN ASSOC		0.55	0.20				35		12 534
DEVONIAN TOTAL	37 236	0.55	0.15	17 408	17 402	6	36	216	
OTHER	5 446			3 499	601	2 898		109 587	
TOTAL-NEVIS	46 833			23 508	19 162	4 346		163 474	
NEW NORWAY 044-22W4									
TOTAL-NEW NORWAY	1 062			557	127	430		15 879	
NEWBROOK 062-20W4									
TOTAL-NEWBROOK	3 018			1 900	916	984		37 021	
NEWBY 081-05W4									
WABISKAW A	73	0.50	0.05	35			37		1 524
MCMURRAY D	131	0.50	0.05	63			37		1 519
MCMURRAY H	1 545	0.50	0.05	734			37		5 766
WBSK A & MCM D & H TOTAL	1 749	0.50	0.05	832	278	554	37	20 515	
MCMURRAY B	641	0.60	0.05	366	225	141	37	5 265	1 614
MCMURRAY I	658	0.80	0.05	500	447	53	37	1 977	1 971
MCMURRAY P	894	0.50	0.05	425	132	293	37	10 944	4 044
OTHER	4 516			2 243	638	1 605		59 133	
TOTAL-NEWBY	8 458			4 366	1 720	2 646		97 834	
NEWELL 017-14W4									
MILK RIVER A	1 439	0.70	0.05	957			36		10 526
MEDICINE HAT A	116	0.70	0.03	79			36		3 783
MEDICINE HAT C	112	0.50	0.03	54			36		2 447
MEDICINE HAT D	38	0.50	0.03	18			36		1 377
SE ALTA GAS SYS (MU) TOTAL	1 705	0.70	0.05	1 108	638	470	36	17 141	
OTHER	152			101	33	68		2 505	
TOTAL-NEWELL	1 857			1 209	671	538		19 646	
NEWTON 058-03W5									
TOTAL-NEWTON	341			232	11	221		7 585	
NINA (SA) 091-19W5									
TOTAL-NINA	9			6		6		226	
NIPIN 074-21W4									
TOTAL-NIPIN	2			1		1		37	
NIPISI 079-08W5									
GILWOOD A SOLN	7 820	0.48	0.40	2 252 ^b			39		
GILWOOD A ASSOC		0.60	0.40		1 617 ^b	635	39	24 695	
OTHER	617			276	49	227		8 286	
TOTAL-NIPISI	8 437			2 528	1 666	862		32 981	
NISKU (SA) 050-25W4									
TOTAL-NISKU	171			112		112		4 345	
NITON 054-13W5									
BASAL QUARTZ A SOLN	30	0.65	0.10	18 ^b			41		
BASAL QUARTZ A ASSOC	1 308	0.75	0.10	883 ^b	511 ^b	390	41	15 795	3 284
ROCK CREEK A ASSOC		0.80	0.10				40		2 480
BSL QTZ I & ROCK CK A TOTAL	1 945	0.80	0.10	1 400	924	476	40	19 021	
ROCK CREEK F SOLN	791	0.25	0.30	139 ^b			40		
ROCK CREEK F ASSOC	10 075	0.75	0.10	6 800 ^b	4 427 ^b	2 512	40	101 083	15 838
OTHER	3 046			2 121	468	1 653		65 469	
TOTAL-NITON	17 195			11 361	6 330	5 031		201 368	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
1.75	0.138	0.60	7 440	47	0.891	0.61	1 288.2	1981	1993	TARRAGN CANST GULF PANALTA PANCDN PRODUCTION DECLINE
4.98	0.202	0.80	10 350	53	0.853	0.65	1 403.5	1989	1991	WESTGAS PANALTA BLUERGE MATERIAL BALANCE
5.58	0.203	0.75	10 170	43	0.845	0.65	1 406.9	1982	1993	TCPL PANALTA NORCEN GULF
18.40	0.069	0.85	16 150	56	0.799	0.71	1 682.2	1952	1987	PRODUCTION DECLINE OIL DEPLETED
18.17	0.073	0.85	16 170	61	0.816	0.78	1 685.3	1952	1991	PRODUCTION DECLINE OIL DEPLETED
								1952	1992	TCPL HUSKY ESSO NORCEN OIL DEPLETED
1.82	0.309	0.60	1 390	15	0.971	0.56	190.4	1979	1984	
2.81	0.268	0.75	1 480	12	0.968	0.56	191.4	1982	1986	
6.93	0.284	0.75	1 740	10	0.963	0.56	206.8	1982	1992	
								1979	1992	PARAMNT ESSO TCPL CANOXY KANNGAZ TARRAGN NOVER
9.39	0.312	0.75	1 730	10	0.962	0.56	207.9	1978	1993	PARAMNT CANST PANALTA
3.90	0.305	0.70	1 570	11	0.966	0.56	222.5	1986	1989	TARRAGN CANST PANALTA PRODUCTION DECLINE
7.44	0.286	0.70	1 420	8	0.968	0.56	209.0	1979	1993	PARAMNT TCPL SASKOIL CANOXY
10.88	0.154	0.55	3 140	16	0.937	0.56	352.4	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
0.71	0.170	0.55	4 310	17	0.916	0.56	447.7	1904	1989	PART OF MED HAT POOL NO.1
1.16	0.139	0.60	4 450	19	0.916	0.56	470.0	1973	1988	PART OF MED HAT POOL NO.3
0.70	0.139	0.60	4 450	19	0.916	0.56	487.9	1973	1987	PART OF MED HAT POOL NO.4
								1904	1988	TCPL PANALTA CANST PANCDN
						0.85		1965	1992	POCO GAS BREAKTHRU, GPP
						0.85		1965	1992	POCO GAS BREAKTHRU, GPP
2.53	0.137	0.70	16 060	71	0.809	0.72	1 936.2	1964	1990	KANNGAZ TCPL CNWE ESSO CRESTAR CONCURRENT PRODUCTION
5.77	0.129	0.75	16 140	76	0.842	0.69	1 847.0	1980	1991	KANNGAZ TCPL CNWE ESSO CRESTAR CONCURRENT PRODUCTION
						0.74		1965	1992	MATERIAL BALANCE CONCURRENT PRODUCTION
4.64	0.142	0.60	16 200	77	0.818	0.74	1 925.9	1965	1992	WESTGAS DIRECT MOBIL TCPL AMOCO SHELL CONCURRENT PRODUCTION
										DIRECT TCPL KANNGAZ CNWE WESTGAS AMOCO
										ESSO HOME ALTROAN AEL CRESTAR CONCURRENT PRODUCTION
										DIRECT TCPL KANNGAZ CNWE WESTGAS AMOCO
										ESSO HOME ALTROAN AEL CRESTAR CONCURRENT PRODUCTION

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
NIXON 072-16W4									
LOWER MANNVILLE E	1 055	0.70	0.05	702	316	386	37	14 340	19 269
GROSMONT A	3 432	0.50	0.05	1 630	1 610	20	37	738	33 856
OTHER	560			299	122	177		6 578	
TOTAL-NIXON	5 047			2 631	2 048	583		21 656	
NORDEGG 041-17W5									
TRIASSIC A		0.85	0.05				37		1 192
RUNDLE A		0.55	0.05				38		746
TRIASSIC A & RUNDLE A TOTAL	827	0.55	0.05	432	432	< 1	38	-	
TOTAL-NORDEGG	827			432	432				
NORMANDVILLE 080-22W5									
MISSISSIPPIAN A	553	0.90	0.10	448			38		743
MISSISSIPPIAN C	125	0.80	0.10	90			38		200
MISSISSIPPIAN D	310	0.85	0.10	238			38		283
MISSISSIPPIAN A,C & D TOTAL	988	0.85	0.10	776	434	342	38	12 948	
OTHER	1 897			1 282	143	1 139		42 946	
TOTAL-NORMANDVILLE	2 885			2 058	577	1 481		55 894	
NORRIS 053-18W4									
MIDDLE VIKING A	475	0.75	0.05	338	53	285	37	10 539	7 834
LOWER VIKING A	575	0.75	0.10	388		388	38	14 744	6 441
OTHER	3 293			2 074	887	1 187		44 446	
TOTAL-NORRIS	4 343			2 800	940	1 860		69 729	
NORTH STAR (SA) 089-23W5									
BLSK-DBLT 090-23	540	0.85	0.10	413		413	38	15 554	1 203
OTHER	198			135		135		5 047	
TOTAL-NORTH STAR	738			548		548		20 601	
NORTH VALLEY 022-04W5									
RUNDLE B	540	0.80	0.20	346	51	295	39	11 647	200
OTHER	1 383			757	10	747		29 360	
TOTAL-NORTH VALLEY	1 923			1 103	61	1 042		41 007	
NORTHVILLE 052-10W5									
JURASSIC D	1 052	0.85	0.10	805	104	701	40	27 991	2 472
OTHER	496			323	141	182		7 329	
TOTAL-NORTHVILLE	1 548			1 128	245	883		35 320	
NOSEHILL 055-20W5									
TOTAL-NOSEHILL	67			45	45				
O'CHIESE (SA) 045-10W5									
TOTAL-O'CHIESE	155			99		99		4 051	
OAK 083-06W6									
TOTAL-OAK	360			245		245		8 712	
OBED 054-23W5									
CARD SD 23-054-23	646	0.80	0.15	439		439	40	17 485	200
ELTN 13-054-23	478	0.85	0.10	365		365	38	13 728	440
D-2 A	4 792	0.40	0.40	1 150	549	601	37	22 519	1 541
D-3 A	5 997	0.30	0.50	900	227	673	37	25 130	870
OTHER	565			281		281		10 575	
TOTAL-OBED	12 478			3 135	776	2 359		89 437	
OBERLIN 038-21W4									
MANNVILLE E	700	0.90	0.10	567	462	105	39	4 095	150
OTHER	346			225	73	152		5 989	
TOTAL-OBERLIN	1 046			792	535	257		10 084	
OGSTON 089-10W5									
TOTAL-OGSTON	80			46		46		1 730	
OKOTOKS 021-28W4									
RUNDLE A	422	0.85	0.15	305	88	217	40	8 632	614

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
2.23 9.76	0.269 0.112	0.40 0.45	2 280 2 340	24 27	0.957 0.958	0.56 0.57	448.2 461.2	1969 1969	1991 1991	CWNGNUL CWNGNUL HOME PRODUCTION DECLINE
5.84 10.42	0.056 0.046	0.85 0.85	12 620 12 690	46 53	0.861 0.847	0.57 0.62	1 489.5 1 492.9	1960 1960 1960	1993 1993 1993	TCPL PROGAS
4.11 4.40 5.49	0.231 0.210 0.240	0.65 0.60 0.65	10 710 10 170 11 380	36 38 38	0.817 0.828 0.815	0.64 0.64 0.64	1 050.4 1 062.1 1 088.6	1956 1957 1956 1956	1991 1991 1991 1991	CWNGNUL NORCEN .
0.77 1.13	0.249 0.271	0.60 0.55	4 950 4 960	24 25	0.899 0.893	0.62 0.63	677.4 714.5	1977 1972	1993 1993	TCPL NORCEN POCO NONCOMMERCIAL OIL TCPL ATCOR NORCEN POCO NONCOMMERCIAL OIL
5.63	0.249	0.70	4 340	21	0.917	0.60	459.8	1990	1992	PROGAS WESTGAS
24.20	0.060	0.80	27 120	91	0.911	0.72	3 398.2	1982	1989	TOP/BASE TVD
3.14	0.114	0.70	17 300	76	0.830	0.71	1 973.8	1981	1993	WESTGAS HOME SCEPTRE
13.20 6.10 22.19 39.22	0.150 0.090 0.065 0.070	0.75 0.85 0.80 0.90	20 800 32 060 38 470 38 760	68 112 135 136	0.798 1.017 0.995 0.966	0.80 0.60 0.77 0.83	2 288.3 3 317.5 4 008.3 4 080.3	1988 1964 1964 1985	1989 1982 1991 1991	TCPL TCPL TCPL DEEP CUT SL TCPL DEEP CUT SL
8.80	0.160	0.65	10 070	54	0.828	0.70	1 316.0	1967	1991	MATERIAL BALANCE
6.68	0.085	0.60	19 200	57	0.820	0.69	2 079.5	1968	1984	TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
OKOTOKS 021-28W4 (CONTINUED) WABAMUN B	18 262	0.55	0.55	4 520	4 348	172	37	6 364	13 473
OTHER	1 011			454		454		17 108	
TOTAL-OKOTOKS	19 695			5 279	4 436	843		32 104	
OLDMAN 055-21W5 TRIASSIC A	2 653	0.80	0.10	1 910	445	1 465	39	56 417	3 230
OTHER	897			591		591		24 341	
TOTAL-OLDMAN	3 550			2 501	445	2 056		80 758	
OLSON (SA) 056-01W6 TOTAL-OLSON	69			49		49		1 789	
OMEGA 046-01W4 TOTAL-OMEGA	660			434	189	245		8 167	
OPABIN 044-18W5 TOTAL-OPABIN	122			88		88		3 400	
ORCHID 088-20W4 TOTAL-ORCHID	17			9		9		331	
ORION 007-07W4 TOTAL-ORION	407			293	84	209		7 521	
OSBORN 089-07W6 TOTAL-OSBORN	518			324		324		12 389	
OWLSEYE 059-10W4 TOTAL-OWLSEYE	978			573	120	453		17 058	
OXLEY (SA) 014-28W4 TOTAL-OXLEY	296			190		190		7 716	
OYEN 029-05W4 VIKING C	469	0.80	0.05	356	323	33	37	1 206	200
VIKING A	732	0.60	0.05	417			37		4 323
DETRITAL C	342	0.50	0.05	162			37		757
VIKING A & DETRITAL C TOTAL	1 074	0.55	0.05	579	536	43	37	1 588	
OTHER	1 622			1 023	683	340		12 594	
TOTAL-OYEN	3 165			1 958	1 542	416		15 388	
PADDLE RIVER 057-08W5 JURASSIC-DETR-RUND		0.70	0.12				40		17 225
JURASSIC-DETR-RUND		0.70	0.12				40		743
JURASSIC-DETR-RUND		0.70	0.12				40		903
JURASSIC DETRITAL&RU ASSOC		0.70	0.12				40		4 408
JURASSIC-DETR-RUND TOTAL	12 824	0.70	0.10	7 900	7 066	834	40	33 543	
OTHER	1 660			1 074	16	1 058		42 257	
TOTAL-PADDLE RIVER	14 484			8 974	7 082	1 892		75 800	
PAGEANT 018-21W4 GLAUCONITIC A	1 158	0.85	0.10	886	143	743	37	27 558	300
OTHER	1 071			736	31	705		26 834	
TOTAL-PAGEANT	2 229			1 622	174	1 448		54 392	
PAKOWKI LAKE 004-07W4 BOW ISLAND A	510	0.80	0.05	388	372	16	34	551	6 888
OTHER	1 239			883	389	494		17 977	
TOTAL-PAKOWKI LAKE	1 749			1 271	761	510		18 528	
PALLISER 062-10W6 TOTAL-PALLISER	55			37		37		1 488	
PANTHER RIVER 030-10W5 RUNDLE A	763	0.75	0.15	486	122	364	37	13 410	200
RUNDLE B	782	0.75	0.20	470	74	396	38	14 890	200
RUNDLE D	2 667	0.75	0.30	1 400	261	1 139	37	42 644	400
RUNDLE E	1 834	0.80	0.25	1 100	58	1 042	38	39 106	200

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
11.89	0.051	0.85	24 800	80	0.727	0.91	2 649.3	1951	1988	CWNGNUL KANNGAZ PANALTA TCPL CNWE NORCEN GARDNER CRESTAR PRODUCTION DECLINE DEEP CUT SL
3.74	0.139	0.80	24 820	106	0.943	0.66	2 932.7	1977	1992	TCPL DIRECT PROGAS ATCOR CNWE NORCEN
5.20	0.292	0.50	6 690	32	0.893	0.58	784.9	1951	1989	TCPL PRODUCTION DECLINE
2.07	0.275	0.55	6 670	34	0.895	0.57	765.2	1963	1985	PRODUCTION DECLINE
2.77	0.285	0.65	8 200	34	0.870	0.58	873.0	1963	1985	PRODUCTION DECLINE
								1963	1985	ESSO TCPL CANST NORCEN
6.25	0.145	0.35	12 230	60	0.823	0.69	1 527.8	1957	1987	PRODUCTION DECLINE
4.19	0.145	0.35	12 230	60	0.822	0.69	1 528.2	1957	1987	PRODUCTION DECLINE
2.72	0.145	0.35	12 230	60	0.822	0.69	1 458.0	1957	1987	PRODUCTION DECLINE
4.38	0.076	0.60	12 240	55	0.811	0.70	1 549.3	1957	1991	PRODUCTION DECLINE CONCURRENT PRODUCTION, OIL DEPLETED
								1957	1987	CHEL CWNGNUL CRESTAR CONCURRENT PRODUCTION, OIL DEPLETED
15.75	0.218	0.80	12 840	43	0.822	0.65	1 401.0	1987	1990	NORCEN
1.27	0.252	0.70	5 540	27	0.911	0.59	667.8	1955	1987	CMG ESSO PRODUCTION DECLINE
35.00	0.060	0.85	24 130	78	0.915	0.66	3 457.1	1958	1989	SHELL
48.00	0.040	0.85	30 790	104	0.969	0.70	4 556.5	1973	1984	SHELL TOP/BASE TVD
53.72	0.050	0.85	39 280	102	1.020	0.74	4 587.4	1978	1990	SHELL TOP/BASE TVD
110.47	0.050	0.85	23 300	99	0.912	0.72	4 408.3	1960	1990	SHELL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
PANTHER RIVER 030-10W5 (CONTINUED)									
OTHER	3 496			415		415		15 136	
TOTAL-PANTHER RIVER	9 542			3 871	515	3 356		125 186	
PARADISE 047-02W4									
TOTAL-PARADISE	230			152		152		5 268	
PARFLESH 025-22W4									
TOTAL-PARFLESH	1 011			588	140	448		17 539	
PARKER 070-05W5									
TOTAL-PARKER	158			91	91				
PARKLAND 015-28W4									
TOTAL-PARKLAND	342			228	36	192		7 369	
PARKLAND NORTHEAST 015-27W4									
GLAUCONITIC A	789	0.80	0.10	568	267	301	39	11 808	1 303
LOWER MANNVILLE A	1 048	0.85	0.10	802	148	654	39	25 787	992
OTHER	1 186			869	133	736		28 891	
TOTAL-PARKLAND NORTHEAST	3 023			2 239	548	1 691		66 486	
PASTECHO (SA) 079-06W5									
TOTAL-PASTECHO	28			18		18		681	
PAUL (SA) 072-26W4									
TOTAL-PAUL	102			68		68		2 539	
PAXON 065-21W4									
TOTAL-PAXON	111			73	26	47		1 750	
PEACOCK 014-27W4									
TOTAL-PEACOCK	49			32	18	14		547	
PEAK 119-05W6									
TOTAL-PEAK	33			22		22		763	
PEARL 030-16W4									
TOTAL-PEARL	180			116	29	87		3 382	
PEAVEY 056-24W4									
TOTAL-PEAVEY	608			387	240	147		5 499	
PEAVINE 075-20W5									
TOTAL-PEAVINE	130			85	15	70		2 723	
PECO 047-15W5									
GETHING A	4 945	0.70	0.20	2 770	1 420	1 350	41	55 499	6 502
JURASSIC B	1 422	0.75	0.15	907		907	40	36 080	1 971
NISKU A	988	0.85	0.30	588	379	209	40	8 412	128
OTHER	2 772			1 769	262	1 507		60 847	
TOTAL-PECO	10 127			6 034	2 061	3 973		160 838	
PEDIGREE 100-12W6									
BLUESKY-MONTNEY A	3 851	0.75	0.10	2 600	382	2 218	42 ^a	93 178	4 600
DBLT 33-102-11	430	0.85	0.10	329		329	38	12 469	200
TOTAL-PEDIGREE	4 281			2 929	382	2 547		105 647	
PEDLEY (SA) 053-25W5									
TOTAL-PEDLEY	1 441			976		976		39 787	
PEERLESS 079-22W4									
TOTAL-PEERLESS	156			96		96		3 587	
PEIGAN 008-08W4									
TOTAL-PEIGAN	139			101	32	69		2 488	
PELICAN 079-24W4									
WABISKAW A	450	0.75	0.05	321		321	37	11 954	3 507
OTHER	329			198		198		7 388	
TOTAL-PELICAN	779			519		519		19 342	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
PEMBINA 048-07W5									
BELLY RIVER A	879	0.80	0.05	668	653	15	38	575	2 022
BELLY RIVER SS	422	0.75	0.05	301	100	201	38	7 698	1 175
BELLY RIVER ZZ	522	0.75	0.10	353	341	12	38	452	1 846
BELLY RIVER C ASSOC	44	0.70	0.10	28 ^b			38		277
BELLY RIVER C SOLN	3 444	0.36	0.29	880 ^b			38		
BELLY RIVER C ASSOC	17	0.65	0.10	10 ^b			40		64
BELLY RIVER C	4	0.65	0.10	3 ^b			39		64
BELLY RIVER C.O & H3H TOTAL	3 509	0.35	0.30	921 ^b	802 ^b	119	38	4 533	
BELLY RIVER A2A SOLN	57	0.65	0.35	24 ^b			39		
BELLY RIVER A2A ASSOC	1 038	0.80	0.10	747 ^b	500 ^b	271	39	10 661	2 341
CARDIUM SOLN	110 882	0.34	0.48	19 604	14 378	5 226	40	211 235	
GLAUCONITIC A	4 831	0.85	0.06	3 860	3 360	500	40	19 750	11 395
GLAUCONITIC E		0.80	0.10				40		3 226
GLAUCONITIC G		0.80	0.10				40		1 994
GLAUCONITIC E & G TOTAL	5 000	0.80	0.10	3 600	2 153	1 447	40	57 446	
GLAUCONITIC I	4 061	0.70	0.06	2 672			39		4 840
GLAUCONITIC D	144	0.70	0.10	91			39		150
OSTRACOD C	282	0.75	0.10	191			40		934
GLC I, GLC D&OST C TOTAL	4 487	0.70	0.05	2 954	1 833	1 121	39	44 033	
JURASSIC A ASSOC	545	0.85	0.15	394	112	282	40	11 351	840
JURASSIC OO	423	0.85	0.15	306	39	267	40	10 667	400
NISKU D SOLN	672	0.72	0.15	411 ^b			43		
NISKU D ASSOC		0.80	0.15		-292 ^b	703	43	29 913	
NISKU L SOLN	620	0.82	0.20	406 ^b			43		
NISKU L ASSOC		0.85	0.15		-227 ^b	633	43	26 934	
NISKU P SOLN	791	0.78	0.25	463 ^b			43		
NISKU P ASSOC		0.85	0.25		-301 ^b	764	43	32 508	
NIS 24-048-10	548	0.85	0.20	373		373	38	14 208	200
NIS 30-048-10	761	0.80	0.25	457		457	40	18 271	200
OTHER	26 578			15 635	1 979	13 656		544 812	
TOTAL-PEMBINA	162 565			51 477	25 430	26 047		1 045 047	
PENDANT D'OREILLE 004-09W4									
BOW ISLAND B	453	0.75	0.05	323	315	8	35	281	4 557
BOW ISLAND		0.85	0.05				35		17 639
BOW ISLAND F		0.85	0.05				35		8 845
BOW ISLAND G		0.85	0.05				35		970
BOW ISLAND H		0.85	0.05				35		1 926
BOW ISLAND J		0.85	0.05				35		200
BOW ISL & BI FGH&J TOTAL	5 201	0.85	0.05	4 200	3 666	534	35	18 658	
MANNVILLE A	1 217	0.90	0.05	1 040	925	115	37	4 248	2 108
MANNVILLE C	1 220	0.85	0.05	985	967	18	37	664	1 417
MANNVILLE H	454	0.75	0.05	324	196	128	37	4 728	751
OTHER	1 271			873	420	453		16 262	
TOTAL-PENDANT D'OREILLE	9 816			7 745	6 489	1 256		44 841	
PENHOLD 036-27W4									
LOWER MANNVILLE B	819	0.85	0.10	626	469	157	40	6 275	930
LOWER MANNVILLE E ASSOC	683	0.80	0.10	491 ^b			40		2 515
LOWER MANNVILLE E SOLN	27	0.65	0.10	16 ^b			40		
LOWER MANNVILLE H	18	0.75	0.10	13 ^b			40		150
L MANN E & H TOTAL	728	0.80	0.10	520 ^b	221 ^b	299	40	11 846	
OTHER	2 270			1 451	217	1 234		48 452	
TOTAL-PENHOLD	3 817			2 597	907	1 690		66 573	
PEORIA 076-02W6									
WAB 16-076-01	413	0.85	0.10	316		316	35	11 092	200
OTHER	906			658		658		23 296	
TOTAL-PEORIA	1 319			974		974		34 388	
PEPPERS (SA) 052-24W5									
TOTAL-PEPPERS	435			303		303		11 851	
PERRYVALE 064-23W4									
TOTAL-PERRYVALE	343			229		229		8 635	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
PERT (SA) 125-06W6 TOTAL-PERT	4			3		3		112	
PETER 072-01W5 TOTAL-PETER	426			255	52	203		7 635	
PETITOT (SA) 122-12W6 TOTAL-PETITOT	66			41		41		1 537	
PHILOMENA 071-09W4 TOTAL-PHILOMENA	862			427	228	199		7 294	
PHILP 002-12W4 TOTAL-PHILP	239			152		152		5 567	
PHOENIX 039-10W5 TOTAL-PHOENIX	495			324	67	257		10 370	
PICA (SA) 084-04W6 TOTAL-PICA	184			128	52	76		2 914	
PINCHER CREEK 004-29W4 RUNDLE A	44 710	0.30	0.29	9 523	9 347	176	39	6 834	5 666
RUNDLE B	544	0.80	0.25	326	49	277	39	10 778	200
RUND 35-004-30	1 508	0.75	0.20	905		905	38	34 164	200
TOTAL-PINCHER CREEK	46 762			10 754	9 396	1 358		51 776	
PINE CREEK 057-19W5 CARDIUM H SOLN	1 019	0.62	0.20	506			37		
CARDIUM H & I TOTAL	1 019	0.60	0.20	506	442	64	37	2 387	
BLUESKY A	4 338	0.75	0.10	2 929			41		4 051
GETHING A	79	0.75	0.10	53			40		150
BLUESKY A & GETHING A TOTAL	4 417	0.75	0.10	2 982	951	2 031	41	82 824	
L MANN 11-057-20	494	0.80	0.10	356		356	39	13 738	300
NORDEGG A	5 063	0.70	0.10	3 190			39		8 186
TRIASSIC A	2 465	0.80	0.10	1 775			38		5 105
NORDEGG A & TRIASSIC TOTAL	7 528	0.75	0.10	4 965	1 706	3 259	39	126 417	
ELKTON A	697	0.85	0.15	503	432	71	38	2 716	400
WABAMUN	3 122	0.90	0.42	1 630	1 351	279	38	10 588	1 619
WABAMUN B	7 068	0.90	0.39	3 880	3 599	281	38	10 650	3 803
WABAMUN C	4 232	0.90	0.32	2 590	2 027	563	38	21 338	663
D-3	22 726	0.35	0.35	5 170	5 142	28	37	1 043	3 744
OTHER	4 267			2 598	95	2 503		97 032	
TOTAL-PINE CREEK	55 570			25 180	15 745	9 435		368 733	
PINE NORTHWEST 058-20W5 D-3 A	8 991	0.35	0.25	2 360	2 063	297	37	10 927	1 305
OTHER	423			293	86	207		7 759	
TOTAL-PINE NORTHWEST	9 414			2 653	2 149	504		18 686	
PINEDALE 054-16W4 TOTAL-PINEDALE	287			189	34	155		5 764	
PINEHURST 066-10W4 TOTAL-PINEHURST	81			53		53		1 963	
PINGEL 081-07W6 TOTAL-PINGEL	213			152		152		5 748	
PLACID 060-23W5 TOTAL-PLACID	384			262		262		10 330	
PLAIN 053-12W4 UPPER MANNVILLE F	553	0.75	0.05	394	374	20	37	741	824
UPPER MANNVILLE H	96	0.70	0.05	64			37		996
UPPER MANNVILLE K	193	0.70	0.05	128			37		794
UPPER MANNVILLE L	13	0.70	0.05	9			37		150
UPPER MANNVILLE M	9	0.70	0.05	6			37		128
SPARKY B	367	0.80	0.03	285			37		1 745

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
107.59	0.040	0.80	34 080	89	0.951	0.77	3 674.9	1948	1992	TCPL PRODUCTION DECLINE PREV GAS CYCLING, BLOWDOWN
24.14	0.050	0.85	36 400	116	1.003	0.76	4 282.5	1983	1990	MOBIL TOP/BASE TVD
40.50	0.080	0.85	34 600	94	0.979	0.70	4 218.4	1989	1991	MOBIL TOP/BASE TVD
						0.71		1978	1982	SOLN MU-CARDIUM H & I
7.21	0.103	0.75	21 460	94	0.865	0.74	2 554.1	1978	1982	TALISMA AMEAGLE TCPL AMERADA PANALTA ULSTER
2.10	0.140	0.90	21 120	75	0.862	0.67	2 500.5	1961	1993	
								1985	1988	
7.30	0.142	0.75	23 750	84	0.894	0.68	2 808.1	1977	1987	SUNCOR ULSTER WESTGAS PROGAS AMEAGLE
4.54	0.098	0.75	22 270	98	0.921	0.65	2 682.4	1976	1991	KANNGAZ ESSO
2.97	0.110	0.80	22 630	100	0.934	0.63	2 709.7	1974	1993	PROGAS
								1974	1993	TOP/BASE TVD
12.50	0.084	0.80	23 230	80	0.902	0.66	2 600.3	1968	1982	TOP/BASE TVD
3.52	0.069	0.85	29 790	99	0.831	0.84	3 070.1	1957	1989	HOME ESSO TCPL PANALTA PROGAS MOBIL
6.67	0.069	0.85	29 500	99	0.851	0.82	3 113.5	1956	1989	WESTGAS SUNCOR
5.05	0.083	0.85	31 220	115	0.918	0.77	3 459.2	1958	1989	PANALTA
41.46	0.064	0.85	31 550	113	0.913	0.78	3 358.2	1957	1992	MATERIAL BALANCE
										WESTGAS MATERIAL BALANCE
										MATERIAL BALANCE
										WESTGAS PRODUCTION DECLINE
47.50	0.064	0.90	32 060	116	0.961	0.71	3 250.5	1963	1982	PRODUCTION DECLINE
2.47	0.295	0.60	4 620	34	0.924	0.57	732.0	1968	1990	TCPL PRODUCTION DECLINE
1.26	0.251	0.55	5 170	24	0.895	0.60	647.2	1959	1978	
1.26	0.300	0.55	5 210	24	0.902	0.57	657.8	1959	1982	PRODUCTION DECLINE
1.20	0.210	0.60	5 200	23	0.901	0.57	656.6	1975	1988	
0.90	0.270	0.50	5 170	24	0.903	0.57	672.3	1975	1983	
2.53	0.268	0.60	4 900	24	0.908	0.57	673.7	1958	1974	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
PLAIN 053-12W4 (CONTINUED)									
U MANN HKLM & SPKY B TOTAL	678	0.75	0.05	492	273	219	37	8 182	
UPPER MANNVILLE A	212	0.70	0.05	141			38		1 028
COLONY A	536	0.65	0.05	331			38		3 116
SPARKY A	190	0.70	0.05	126			37		1 122
U MN A.COL A&SPKY A TOTAL	938	0.65	0.05	598	593	5	38	188	
LOWER MANNVILLE D		0.65	0.05				37		256
NISKU C		0.70	0.05				36		344
L MANN D & NISKU C TOTAL	577	0.70	0.05	379	348	31	37	1 136	
CAMROSE A	1 011	0.75	0.05	720	489	231	37	8 586	4 617
OTHER	6 674			4 460	2 469	1 991		74 283	
TOTAL-PLAIN	10 431			7 043	4 546	2 497		93 116	
PLANTE 055-22W5									
LED 26-055-22	850	0.80	0.40	408		408	37	15 284	200
OTHER	1 093			705		705		26 633	
TOTAL-PLANTE	1 943			1 113		1 113		41 917	
PLEASANT 068-20W4									
TOTAL-PLEASANT	586			386	148	238		8 941	
PLUTO (SA) 044-15W5									
TOTAL-PLUTO	39			26		26		1 021	
POLLOCKVILLE 025-10W4									
TOTAL-POLLOCKVILLE	907			645	136	509		18 951	
PONOKA 043-26W4									
TOTAL-PONOKA	49			33		33		1 221	
PONY (SA) 080-08W4									
TOTAL-PONY	65			34		34		1 269	
PORTAGE 078-17W4									
MCMURRAY-GROSMONT A	1 231	0.60	0.05	702			37		14 669
MCMURRAY-GROSMONT A	3 502	0.49	0.05	1 630			37		17 420
MCMURRAY-GROSMONT A TOTAL	4 733	0.50	0.05	2 332	1 773	559	37	20 717	
OTHER	254			137	12	125		4 636	
TOTAL-PORTAGE	4 987			2 469	1 785	684		25 353	
POUCE COUPE 080-12W6									
PEACE RIVER A	4 816	0.75	0.02	3 540	3 404	136	38	5 138	11 891
KISKATINAW B	606	0.75	0.05	432	132	300	38	11 376	200
KISKATINAW F	828	0.85	0.05	669	487	182	38	6 836	1 357
KISKATINAW H	795	0.85	0.05	642	306	336	38	12 765	400
KISKATINAW N	547	0.85	0.05	442	441	1	38	38	200
KISKATINAW P	585	0.75	0.05	417	111	306	38	11 677	520
KISKATINAW G	1 379	0.70	0.05	917			38		1 185
KISKATINAW K	312	0.85	0.05	252			38		200
KISKATINAW M	299	0.75	0.05	213			38		200
KISKATINAW G,K & M TOTAL	1 990	0.75	0.05	1 382	686	696	38	26 170	
KISKATINAW I	162	0.75	0.05	116			38		200
KISKATINAW J	352	0.75	0.05	251			38		400
KISKATINAW I & J TOTAL	514	0.75	0.05	367	266	101	38	3 811	
KISK 079-12	517	0.70	0.05	344		344	38	12 910	731
OTHER	3 540			2 534	491	2 043		77 119	
TOTAL-POUCE COUPE	14 738			10 769	6 324	4 445		167 840	
POUCE COUPE SOUTH 078-12W6									
PEACE RIVER A		0.85	0.03				38		2 876
PEACE RIVER A		0.85	0.03				38		374
PEACE RIVER A		0.85	0.03				38		1 229
PEACE RIVER A		0.85	0.03				38		693
PEACE RIVER A		0.85	0.03				38		1 244
PEACE RIVER A		0.85	0.03				38		1 134
PEACE RIVER A		0.85	0.03				38		507
PEACE RIVER A TOTAL	1 312	0.75	0.05	954	837	117	38	4 426	
PEACE RIVER B		0.70	0.05				38		5 465
PEACE RIVER B		0.70	0.02				38		1 587
PEACE RIVER B		0.70	0.02				38		1 255
PEACE RIVER B TOTAL	1 278	0.70	0.05	876	851	25	38	948	
GETHING A	526	0.90	0.03	459	459	< 1	38	-	300
GETHING B		0.75	0.05				38		150

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
2.84	0.255	0.55	4 970	28	0.907	0.58	644.6	1958	1983	TCPL
1.93	0.271	0.65	4 790	24	0.906	0.59	608.7	1952	1992	
2.12	0.281	0.55	4 900	24	0.908	0.59	664.5	1952	1993	
								1952	1992	
1.50	0.250	0.60	4 670	24	0.914	0.57	714.8	1970	1985	TCPL CWNGNUL
4.65	0.180	0.55	4 670	27	0.918	0.57	723.9	1970	1986	MATERIAL BALANCE
								1970	1986	MATERIAL BALANCE
								1970	1993	TCPL POCO
2.83	0.125	0.70	4 670	24	0.914	0.57	732.7	1968	1981	TCPL CWNGNUL MATERIAL BALANCE
33.30	0.053	0.90	36 760	130	0.970	0.80	3 777.4	1987	1988	HOME ENCOR BER TOP/BASE TVD
2.65	0.309	0.60	1 700	20	0.966	0.56	356.3	1972	1991	
15.45	0.123	0.25	1 700	20	0.967	0.57	368.9	1972	1991	MATERIAL BALANCE
								1972	1991	
6.52	0.184	0.70	4 290	33	0.926	0.57	709.3	1943	1989	CNRL NORCEN PRODUCTION DECLINE
9.50	0.090	0.80	23 870	84	0.922	0.60	2 423.3	1977	1990	TALISMA HUSKY MATERIAL BALANCE
4.69	0.089	0.80	21 450	92	0.915	0.63	2 339.0	1976	1990	NRTHRGE
13.75	0.101	0.75	20 920	77	0.891	0.63	2 325.4	1988	1991	PANALTA
9.35	0.110	0.90	23 380	97	0.936	0.60	2 412.4	1988	1993	TALISMA PRODUCTION DECLINE
9.85	0.090	0.75	20 310	97	0.923	0.60	2 386.0	1988	1991	PANALTA
9.52	0.091	0.75	21 490	96	0.925	0.62	2 348.8	1976	1991	
14.49	0.090	0.70	18 630	78	0.883	0.64	2 264.2	1989	1989	
10.50	0.100	0.80	19 530	79	0.887	0.63	2 300.0	1984	1990	
								1976	1993	NRTHRGE
4.50	0.120	0.80	20 240	74	0.882	0.61	2 278.0	1988	1991	WESTGAS
4.63	0.085	0.85	21 140	77	0.907	0.58	2 308.3	1988	1992	WESTGAS PRODUCTION DECLINE
								1988	1993	
6.12	0.080	0.80	21 550	96	0.920	0.62	2 358.5	1974	1988	NRTHRGE
4.40	0.194	0.60	5 600	41	0.914	0.56	986.3	1956	1990	MATERIAL BALANCE
1.27	0.178	0.50	5 600	41	0.915	0.57	963.9	1956	1990	MATERIAL BALANCE
0.93	0.142	0.45	5 600	41	0.915	0.57	982.9	1956	1990	MATERIAL BALANCE
1.12	0.177	0.50	5 600	41	0.915	0.57	959.1	1956	1990	MATERIAL BALANCE
1.58	0.214	0.65	5 600	41	0.915	0.57	969.0	1956	1990	MATERIAL BALANCE
1.78	0.190	0.50	5 600	41	0.915	0.57	972.4	1956	1990	MATERIAL BALANCE
2.17	0.200	0.70	5 600	41	0.915	0.57	978.6	1956	1990	MATERIAL BALANCE
								1956	1992	PANALTA NORCEN
6.37	0.172	0.70	5 380	44	0.919	0.57	989.5	1953	1989	
1.60	0.159	0.70	5 380	44	0.919	0.57	1 022.1	1953	1989	
2.89	0.169	0.70	5 380	44	0.919	0.57	1 027.2	1953	1989	
								1953	1989	
6.70	0.145	0.80	13 410	64	0.869	0.61	1 517.1	1958	1986	
3.50	0.150	0.65	10 890	62	0.878	0.62	1 494.3	1979	1993	PRODUCTION DECLINE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
POUCE COUPE SOUTH 078-12W6 (CONTINUED)									
GETHING C		0.75	0.05				38		412
GETHING B & C TOTAL	432	0.75	0.05	308	164	144	38	5 420	
CADOMIN E	985	0.80	0.05	749	43	706	37	26 334	1 525
BALDONNEL B	564	0.80	0.10	406	406	< 1	38	-	2 074
BOUNDARY B SOLN	1 162	0.34	0.15	336	143	193	43	8 255	
HALFWAY D	441	0.85	0.10	338	7	331	40	13 214	200
DOIG B	4 277	0.80	0.10	3 080	941	2 139	39	82 993	3 559
MONTNEY A	2 044	0.85	0.15	1 476	87	1 389	42	58 991	3 699
OTHER	3 504			2 097	361	1 736		66 435	
TOTAL-POUCE COUPE SOUTH	16 525			11 079	4 299	6 780		267 016	
PRAIRIE RIVER (SA) 070-14W5									
TOTAL-PRAIRIE RIVER	300			204		204		7 876	
PRESLEY 059-19W5									
TOTAL-PRESLEY	464			340	189	151		5 994	
PREVO 039-01W5									
PEKISKO A SOLN	11	0.65	0.10	6 ^b			40		
PEKISKO A ASSOC	672	0.60	0.10	363 ^b	316 ^b	53	40	2 094	1 226
PEKISKO B	1 250	0.60	0.10	675	650	25	40	988	604
OTHER	1 724			1 147	219	928		37 633	
TOTAL-PREVO	3 657			2 191	1 185	1 006		40 715	
PRIMROSE (SA) 068-21W4									
TOTAL-PRIMROSE	14			7		7		261	
PRINCESS 020-11W4									
MILK RIVER A	11 684	0.70	0.05	7 770			36		93 189
MEDICINE HAT A	6 407	0.70	0.03	4 350			36		83 907
MEDICINE HAT C	736	0.50	0.03	357			36		26 646
MEDICINE HAT D	522	0.50	0.03	253			36		18 374
SECOND WHITE SPECKS A	7 969	0.75	0.05	5 678			36		66 059
SE ALTA GAS SYS(MU) TOTAL	27 318	0.70	0.05	18 408	8 892	9 516	36	347 049	
BASAL MANNVILLE A	506	0.90	0.05	432	143	289	37	10 644	425
BASAL MANNVILLE M	753	0.60	0.10	407	407	< 1	37	-	739
JEFFERSON B	1 550	0.70	0.20	868	782	86	35	3 029	3 344
OTHER	3 422			2 450	1 178	1 272		47 234	
TOTAL-PRINCESS	33 549			22 565	11 402	11 163		407 956	
PRITCHARD 061-01W4									
TOTAL-PRITCHARD	120			63	40	23		850	
PROGRESS 078-09W6									
HALFWAY B SOLN	707	0.65	0.10	414	192	222	40	8 816	
HALFWAY P ASSOC	667	0.90	0.10	540		540	41	21 897	574
HALFWAY A	3 921	0.85	0.10	3 000	1 738	1 262	40	50 139	4 154
HALFWAY Y	310	0.90	0.10	251			40		200
DOIG C	1 186	0.80	0.05	902			37		1 751
HALFWAY Y & DOIG C TOTAL	1 496	0.80	0.05	1 153	341	812	38	30 491	
BELLOU C	843	0.75	0.05	600			31		992
BELLOU C	766	0.75	0.05	546			35		1 194
BELLOU C	68	0.75	0.05	48			24		200
BELLOU C TOTAL	1 677	0.75	0.05	1 194	140	1 054	24	25 307	
OTHER	5 232			3 409	420	2 989		118 033	
TOTAL-PROGRESS	13 700			9 710	2 831	6 879		254 683	
PROVINCE 008-11W4									
TOTAL-PROVINCE	57			40		40		1 423	
PROVOST 037-07W4									
BELLY RIVER B	454	0.70	0.05	302	69	233	37	8 656	2 644
VIKING C ASSOC		0.75	0.04				37		122 420
VIKING C SOLN	2 325	0.12	0.20	223 ^b			37		
VIKING C ASSOC		0.75	0.04				37		321

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
2.38	0.167	0.70	10 870	47	0.854	0.62	1 515.1	1979	1993	PRODUCTION DECLINE
4.96	0.147	0.70	13 030	64	0.869	0.62	1 545.0	1979	1991	PANALTA
2.45	0.118	0.70	14 820	70	0.874	0.63	1 726.1	1954	1992	
17.31	0.090	0.80	17 500	70	0.821	0.70	1 915.0	1987	1992	PANALTA NORCEN POCO
8.55	0.106	0.80	17 770	75	0.876	0.63	1 910.0	1977	1991	NCMI
2.93	0.089	0.85	26 350	79	0.854	0.80	2 337.1	1979	1993	ESSO HOME PANALTA ENCOR PROGAS SUNCOR NORCEN HOME HUSKY
						0.68		1959	1991	NRTHRGE TCPL BLUERGE PCI SUNCOR PRODUCTION DECLINE CONCURRENT PRODUCTION
7.00	0.093	0.60	16 580	70	0.831	0.68	2 016.1	1959	1991	NRTHRGE TCPL BLUERGE PCI SUNCOR PRODUCTION DECLINE CONCURRENT PRODUCTION
9.69	0.071	0.60	16 490	61	0.812	0.68	2 013.9	1958	1986	TCPL PRODUCTION DECLINE
7.18	0.154	0.55	3 140	16	0.937	0.56	377.4	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
1.77	0.170	0.55	4 310	17	0.916	0.56	465.7	1904	1982	PART OF MED HAT POOL NO.1
0.70	0.139	0.60	4 450	19	0.916	0.56	478.3	1973	1987	PART OF MED HAT POOL NO.3
0.72	0.139	0.60	4 450	19	0.916	0.56	507.4	1973	1987	PART OF MED HAT POOL NO.4
1.56	0.216	0.60	5 690	27	0.904	0.57	657.4	1944	1992	PART OF 2WS POOL NO.1
								1904	1992	TARRAGN SCEPTRE TCPL CONTIN PANALTA ESSO NORCEN PANCDN POCO ULSTER CRESTAR
6.98	0.200	0.70	10 690	31	0.821	0.62	969.9	1940	1966	TCPL
2.79	0.250	0.50	10 800	35	0.834	0.63	996.0	1958	1992	NONCOMMERCIAL OIL
4.12	0.100	0.75	10 980	38	0.804	0.81	1 196.6	1940	1991	TCPL MATERIAL BALANCE
4.85	0.165	0.85	16 870	68	0.823	0.64		1981	1986	PANALTA
6.19	0.121	0.75	17 540	75	0.853	0.68	1 652.7	1987	1991	NCMI DIRECT ESSO
3.90	0.180	0.90	19 640	33	0.744	0.71	1 859.7	1976	1991	SASKOIL PANALTA SUNCOR
4.05	0.109	0.85	18 940	68	0.875	0.62	1 776.7	1986	1992	
							1 846.7	1981	1992	AMOCO DIRECT CANST PROGAS HOME ENCOR
5.70	0.133	0.70	18 940	83	0.945	0.64	2 049.7	1980	1984	
3.94	0.140	0.70	19 230	83	0.924	0.59	2 066.4	1980	1985	
3.30	0.100	0.65	19 240	84	0.974	0.71	2 076.8	1980	1993	ASSIGNED WELL 09-18-078-09W6M
								1980	1993	NOVER BVI MOBIL KANNGAZ
3.60	0.280	0.70	2 340	14	0.952	0.55	306.7	1971	1980	
1.15	0.220	0.38	5 890	29	0.890	0.61	894.4	1946	1985	MATERIAL BALANCE SOLN MU-VIK.BSL COL&MNV MU#1, CONC PROD
						0.61		1946	1985	MATERIAL BALANCE SOLN MU-VIK.BSL COL&MNV MU#1, CONC PROD
0.68	0.204	0.60	5 890	29	0.889	0.61	862.6	1946	1985	MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
PROVOST 037-07W4 (CONTINUED)									
VIKING A ASSOC		0.75	0.04				37		402 550
VIKING K ASSOC		0.75	0.04				37		882
BASAL COLORADO A	669	0.70	0.05	445 ^b			37		4 214
MANNVILLE E	147	0.65	0.05	91 ^b			38		678
UPPER MANNVILLE HHH	3	0.70	0.05	2 ^b			38		150
VIKING & MANN MU#1 TOTAL	53 144	0.70	0.05	36 761 ^b	29 008 ^b	7 753	37	289 187	
VIKING L	710	0.70	0.05	472			36		7 976
VIKING O	22	0.65	0.01	14			37		363
VIKING L & O TOTAL	732	0.70	0.05	486	136	350	36	12 744	
MANNVILLE Q	698	0.75	0.05	498	412	86	37	3 166	702
MANNVILLE Z	1 109	0.85	0.10	849	751	98	38	3 746	2 479
UPPER MANNVILLE B ASSOC	12	0.75	0.05	9 ^b			36		45
UPPER MANNVILLE B SOLN	461	0.65	0.15	255 ^b			36		
UPPER MANNVILLE B ASSOC	418	0.65	0.05	258 ^b			36		638
UPPER MANNVILLE B ASSOC	5	0.65	0.05	3 ^b			36		19
UPPER MANNVILLE B TOTAL	896	0.65	0.10	525 ^b	141 ^b	384	36	13 743	
UPPER MANNVILLE AA	830	0.85	0.10	635	570	65	38	2 481	2 904
UPPER MANNVILLE E2E ASSOC	6 421	0.75	0.10	4 334			38		12 818
LOWER MANNVILLE FF	87	0.70	0.10	55			38		528
U MANN E2E&L MANN FF TOTAL	6 508	0.75	0.10	4 389	3 176	1 213	38	45 779	
LOWER MANNVILLE EE	750	0.80	0.10	540	471	69	38	2 611	300
OTHER	25 665			16 807	3 482	13 325		485 432	
TOTAL-PROVOST	90 786			61 792	38 216	23 576		867 545	
PUSKWASKAU 074-01W6									
TOTAL-PUSKWASKAU	1 252			732		732		29 346	
PYRAMID 105-10W6									
TOTAL-PYRAMID	101			67		67		2 514	
QUEENSTOWN 019-21W4									
TOTAL-QUEENSTOWN	1 099			733	50	683		26 048	
QUIGLEY (SA) 083-14W4									
TOTAL-QUIGLEY	2			1		1		37	
QUIRK CREEK 021-04W5									
RUNDLE A	13 000	0.80	0.25	7 800	6 772	1 028	40	41 418	2 250
RUNDLE C	619	0.75	0.25	348	295	53	40	2 112	200
RUNDLE E	2 314	0.50	0.25	868	305	563	40	22 509	400
RUNDLE F	1 513	0.80	0.25	908	31	877	40	35 290	200
RUND 15-021-05	802	0.80	0.25	482		482	40	19 511	200
OTHER	280			173		173		6 836	
TOTAL-QUIRK CREEK	18 528			10 579	7 403	3 176		127 676	
RACOSTA 031-11W4									
TOTAL-RACOSTA	653			440	76	364		13 792	
RADWAY 059-20W4									
TOTAL-RADWAY	1 120			732	13	719		26 726	
RAINBOW 110-06W6									
BLUESKY A	6 448	0.80	0.05	4 900	2 922	1 978	37	73 107	42 038
BLUESKY C	470	0.70	0.05	313		313	37	11 559	4 622
SLAVE POINT A	434	0.85	0.10	332	187	145	38	5 462	833
KEG RIVER A SOLN	2 019	0.88	0.30	1 244 ^b			41		
KEG RIVER A ASSOC	880	0.90	0.10	713 ^b	-292 ^b	2 249	41	93 221	87
KEG RIVER B SOLN	3 403	0.72	0.30	1 715 ^b			39		
KEG RIVER B ASSOC		0.80	0.15		174 ^b	1 541	39	60 068	
KEG RIVER F SOLN	5 000	0.60	0.40	1 800 ^b			43		
KEG RIVER F ASSOC	933	0.85	0.15	674 ^b	1 902 ^b	572	43	24 779	697
KEG RIVER O SOLN	1 625	0.80	0.25	975 ^b			40		
KEG RIVER O ASSOC		0.75	0.10		10 ^b	965	40	38 716	
KEG RIVER AA SOLN	2 071	0.70	0.40	870 ^b			44		
KEG RIVER AA ASSOC		0.75	0.10		-273 ^b	1 143	44	49 743	
KEG RIVER II SOLN	677	0.65	0.30	308 ^b			41		
KEG RIVER II ASSOC		0.75	0.10		34 ^b	274	41	11 300	
KEG RIVER FFF	800	0.90	0.20	576	434	142	42	5 923	64

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
1.48	0.224	0.65	5 890	29	0.889	0.61	794.0	1946	1985	MATERIAL BALANCE
0.89	0.214	0.50	5 890	29	0.889	0.61	791.6	1946	1985	MATERIAL BALANCE
2.23	0.203	0.55	6 130	34	0.890	0.60	929.3	1963	1992	
2.61	0.190	0.75	5 670	35	0.901	0.60	934.9	1963	1992	
2.30	0.280	0.65	7 140	31	0.872	0.60	943.1	1967	1988	PRODUCTION DECLINE
								1946	1985	PROGAS PINCL INVRNS CHEL TCPL CANST CWNGNUL HUSKY NCMI BVI KANNGAZ NORCEN PANALTA MORRIS DYNALTA POCO ALTROAN PANCDN CONCURRENT PRODUCTION
1.23	0.218	0.55	5 860	33	0.902	0.60	889.9	1952	1987	
0.88	0.230	0.50	5 800	30	0.894	0.61	929.4	1956	1987	
								1952	1987	AMEAGLE NORCEN
3.29	0.296	0.75	6 140	26	0.888	0.59	797.5	1972	1990	TCPL POCO ALTROAN BVI MATERIAL BALANCE
2.23	0.295	0.80	7 790	33	0.852	0.62	1 061.9	1949	1986	TCPL PANALTA MATERIAL BALANCE
1.84	0.288	0.85	5 670	25	0.900	0.59	726.1	1952	1993	GPP
						0.59		1952	1993	GPP
4.43	0.288	0.85	5 670	24	0.898	0.59	765.0	1952	1992	
1.73	0.320	0.85	5 670	24	0.898	0.59	733.5	1952	1992	
1.94	0.224	0.65	9 120	37	0.833	0.64	1 068.0	1975	1990	TCPL CANOXY NORCEN GPP
4.59	0.200	0.65	7 820	35	0.860	0.62	1 125.6	1974	1992	RENENER CWNGNUL MATERIAL BALANCE
1.59	0.193	0.65	7 680	37	0.852	0.65	1 145.2	1982	1985	GAS POOL PRODUCING OIL
								1974	1992	KANNGAZ TCPL ATCOR CWNGNUL HOME PANCDN POCO WAINOCO GAS POOL PRODUCING OIL
3.60	0.146	0.60	7 810	35	0.855	0.63	1 126.2	1984	1989	PANALTA PRODUCTION DECLINE
43.39	0.080	0.80	15 720	49	0.745	0.76	1 971.6	1967	1984	TCPL MATERIAL BALANCE TOP/BASE TVD
22.10	0.070	0.80	18 410	70	0.795	0.77	2 806.1	1975	1989	TCPL PRODUCTION DECLINE
59.25	0.063	0.80	18 550	73	0.787	0.80	2 799.7	1973	1988	TCPL TOP/BASE TVD
32.90	0.100	0.90	27 240	80	0.859	0.90	3 298.0	1989	1993	TOP/BASE TVD
33.50	0.080	0.80	18 100	70	0.802	0.76	2 595.8	1975	1982	TCPL
5.04	0.210	0.40	2 500	22	0.950	0.59	442.8	1965	1991	AMOCO HUSKY ESSO TCPL MATERIAL BALANCE
4.43	0.207	0.40	2 700	20	0.946	0.59	355.1	1976	1991	TARRAGN
7.04	0.069	0.75	14 760	77	0.838	0.74	1 691.5	1966	1989	HUSKY
						0.82		1965	1992	HUSKY GAS BREAKTHRU, GPP
52.43	0.110	0.95	17 690	75	0.783	0.82	1 833.7	1965	1992	HUSKY GAS BREAKTHRU, GPP
						0.80		1965	1988	HUSKY GPP
						0.80		1965	1988	HUSKY GPP
						0.87		1966	1990	HUSKY GPP
20.16	0.043	0.80	17 100	72	0.730	0.87	1 790.0	1966	1990	HUSKY GPP
						0.73		1966	1983	HUSKY GAS BREAKTHRU, GPP
						0.73		1966	1983	HUSKY GAS BREAKTHRU, GPP
						0.81		1967	1988	CONING SECONDARY GAS CAP, GPP
						0.81		1967	1988	CONING SECONDARY GAS CAP, GPP
						0.78		1967	1990	CANST NCMI GPP
						0.78		1967	1990	CANST NCMI GPP
122.19	0.046	0.80	17 690	60	0.694	0.93	1 862.1	1966	1989	HUSKY PRODUCTION DECLINE

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 2 3			4 5 6 7 8					9
	RAW GAS			MARKETABLE GAS					
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
									AREA ha
RAINBOW 110-06W6 (CONTINUED)									
OTHER	14 069			6 410	1 603	4 807		198 606	
TOTAL-RAINBOW	38 829			20 830	6 701	14 129		572 484	
RAINBOW SOUTH 107-09W6									
KEG RIVER E SOLN	1 446	0.56	0.40	486	302	184	44	8 068	
KEG RIVER A SOLN	1 007	0.32	0.50	161 ^b			39		
KEG RIVER A ASSOC	404	0.75	0.15	258 ^b	366 ^b	53	39	2 092	55
OTHER	6 977			3 202	119	3 083		124 956	
TOTAL-RAINBOW SOUTH	9 834			4 107	787	3 320		135 116	
RAINIER 017-15W4									
TOTAL-RAINIER	517			357	66	291		10 543	
RAM (SA) 037-15W5									
TV 21-037-14	2 610	0.80	0.15	1 775		1 775	38	67 876	600
OTHER	313			175		175		6 657	
TOTAL-RAM	2 923			1 950		1 950		74 533	
RAMBLING 090-07W6									
TOTAL-RAMBLING	34			21		21		781	
RANFURLY 050-12W4									
TOTAL-RANFURLY	1 482			985	502	483		17 921	
RASPBERRY (SA) 066-17W5									
TOTAL-RASPBERRY	81			55		55		2 162	
RATZ (SA) 126-18W5									
TOTAL-RATZ	68			47		47		1 763	
REAGAN 001-19W4									
TOTAL-REAGAN	206			99	48	51		1 831	
RED CAP (SA) 046-20W5									
TOTAL-RED CAP	575			395		395		15 455	
RED COULEE 001-17W4									
TOTAL-RED COULEE	47			31	10	21		806	
RED EARTH 087-08W5									
GRANITE WASH A SOLN	806	0.65	0.40	314	1	313	38	11 822	
OTHER	1 148			558		558		21 292	
TOTAL-RED EARTH	1 954			872	1	871		33 114	
RED ROCK 063-07W6									
TOTAL-RED ROCK	1 504			1 065	350	715		28 212	
RED WILLOW 040-17W4									
VIKING C	246	0.75	0.05	176			37		3 638
VIKING D	439	0.60	0.05	250			37		4 555
LOWER MANNVILLE I	13	0.75	0.05	10			37		150
VIK CD& L MANN I TOTAL	698	0.65	0.05	436	119	317	37	11 675	
OTHER	3 753			2 373	682	1 691		60 925	
TOTAL-RED WILLOW	4 451			2 809	801	2 008		72 600	
REDFISH 092-08W5									
TOTAL-REDFISH	27			15		15		550	
REDLAND 027-22W4									
UPPER MANNVILLE A	1 022	0.90	0.04	883	826	57	40	2 261	600
OTHER	496			334	259	75		2 862	
TOTAL-REDLAND	1 518			1 217	1 085	132		5 123	
REDWATER 057-21W4									
UPPER VIKING I	292	0.70	0.05	194			38		3 895
MIDDLE VIKING F	6	0.70	0.05	4			38		200
LOWER VIKING L	194	0.70	0.05	129			38		1 314
UVIK I,MVIK F & LVIK TOTAL	492	0.70	0.05	327	121	206	38	7 770	
UPPER VIKING A	2 526	0.80	0.04	1 940 ^b			37		48 349
MIDDLE VIKING A	783	0.80	0.04	601 ^b			38		11 540
LOWER VIKING A ASSOC	329	0.80	0.04	252 ^b			38		2 849

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
29.18	0.069	0.90	18 330	68	0.824	0.85 0.73 0.73	1 875.1	1966 1965 1965	1990 1993 1993	HUSKY HUSKY ESSO PRODUCTION DECLINE GPP HUSKY ESSO PRODUCTION DECLINE GPP
19.60	0.093	0.90	36 650	105	1.040	0.64	4 452.2	1988	1993	SHELL BER TOP/BASE TVD
						0.83		1958	1992	
1.17 1.31 1.24	0.143 0.179 0.160	0.65 0.65 0.50	5 970 6 100 8 180	31 33 36	0.898 0.897 0.870	0.59 0.59 0.60	988.1 991.9 1 130.9	1971 1953 1976 1953	1992 1992 1988 1992	TCPL CNG PANALTA PROGAS KANNGAZ PANCDN
3.34	0.190	0.70	10 670	54	0.819	0.69	1 485.4	1961	1987	CWNGNUL PANCDN PRODUCTION DECLINE
1.11 0.50 1.73	0.218 0.170 0.250	0.55 0.65 0.60	5 200 5 200 5 270	22 22 22	0.890 0.897 0.892	0.61 0.58 0.60	626.8 625.3 647.1	1976 1981 1976 1976	1990 1988 1990 1990	NONCOMMERCIAL OIL TCPL
0.81 0.96 0.94	0.240 0.200 0.220	0.50 0.60 0.60	5 240 5 670 5 450	33 33 21	0.906 0.895 0.882	0.60 0.60 0.60	624.4 638.6 644.2	1947 1947 1947	1988 1988 1988	PART OF VIK POOL NO.1 PART OF VIK POOL NO.1 PART OF VIK POOL NO.1 CONCURRENT PRODUCTION

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
REDWATER 057-21W4 (CONTINUED) LOWER VIKING A SOLN	104	0.60	0.25	47 ^b			38		
UV A & MV A & LV A TOTAL	3 742	0.80	0.05	2 840 ^b	779 ^b	2 061	38	77 576	
D-3 SOLN	6 831	0.65	0.60	1 776 ^b			47		
D-3 ASSOC		0.80	0.25		1 715 ^b	61	47	2 874	
OTHER	4 274			2 729	709	2 020		75 094	
TOTAL-REDWATER	15 339			7 672	3 324	4 348		163 314	
REINE (SA) 081-22W5 TOTAL-REINE	34			23		23		889	
REITA 059-03W4 TOTAL-REITA	230			150	75	75		2 739	
RESDELN 083-06W4 MCMURRAY F	921	0.75	0.05	656	269	387	37	14 435	2 279
OTHER	2 352			1 507	357	1 150		42 827	
TOTAL-RESDELN	3 273			2 163	626	1 537		57 262	
RETLAW 012-18W4 BASAL COLORADO B	572	0.85	0.05	462	399	63	36	2 297	3 414
MANNVILLE Y ASSOC	1 030	0.85	0.20	701	362	339	38	13 011	518
MANNVILLE RR SOLN	277	0.65	0.40	108 ^b			36		
MANNVILLE RR ASSOC	374	0.85	0.10	286 ^b	163 ^b	231	36	8 415	1 960
MANNVILLE G2G ASSOC	599	0.85	0.10	458	138	320	36	11 651	300
MANNVILLE A3A	978	0.90	0.10	792	697	95	38	3 637	264
OTHER	9 514			6 241	2 356	3 885		144 692	
TOTAL-RETLAW	13 344			9 048	4 115	4 933		183 703	
RIBSTONE 042-04W4 COLONY D	531	0.80	0.05	404	86	318	35	11 152	247
OTHER	1 105			729	169	560		19 649	
TOTAL-RIBSTONE	1 636			1 133	255	878		30 801	
RICH 035-21W4 GLAUCONITIC F	2 537	0.75	0.10	1 713	1 231	482	39	18 581	5 447
GLAUCONITIC G	530	0.80	0.10	382	352	30	39	1 155	1 011
OTHER	1 607			983	331	652		24 739	
TOTAL-RICH	4 674			3 078	1 914	1 164		44 475	
RICHDALE 030-12W4 VIKING A	1 132	0.80	0.05	861			38		9 515
VIKING C	639	0.80	0.05	485			38		4 961
VIKING F	120	0.75	0.05	86			37		440
VIKING A,C & F TOTAL	1 891	0.80	0.05	1 432	804	628	38	23 676	
OTHER	4 574			3 118	1 367	1 751		65 010	
TOTAL-RICHDALE	6 465			4 550	2 171	2 379		88 686	
RICHMOND 069-19W4 TOTAL-RICHMOND	147			83	55	28		1 042	
RICINUS 035-08W5 CARDIUM B SOLN	1 013	0.85	0.25	646	184	462	40 ^a	18 683	
CARDIUM Q SOLN	548	0.85	0.10	419	271	148	41	6 025	
CARDIUM A SOLN	2 653	0.85	0.15	1 917 ^b			41 ^a		
CARDIUM A ASSOC	8 316	c	c	6 950 ^b	976 ^b	7 891	41 ^a	319 743	2 569
CARDIUM L ASSOC	3 504	0.85	0.10	2 680 ^b			41		1 164
CARDIUM L SOLN	286	0.85	0.40	146 ^b			41		
CARDIUM L TOTAL	3 790	0.85	0.10	2 826 ^b	200 ^b	2 626	41	106 484	
CARDIUM R	1 259	0.80	0.10	906	241	665	39	26 248	982

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
						0.60		1947	1988	PART OF VIK POOL NO.1 CONCURRENT PRODUCTION
								1947	1988	ESSO CWNGNUL DYNALTA CANST NORCEN POCO
						1.05		1948	1993	PART OF VIK POOL NO.1 CONCURRENT PRODUCTION
						1.05		1948	1993	NORCEN AMOCO CWNGNUL ESSO GPP
										NORCEN AMOCO CWNGNUL ESSO GPP
8.48	0.333	0.75	1 850	14	0.961	0.56	385.3	1990	1992	ATCOR NRTHSTR
1.28	0.183	0.55	8 820	30	0.851	0.61	947.2	1960	1992	TCPL HOME MORRIS PRODUCTION DECLINE
5.00	0.249	0.85	11 790	35	0.782	0.76	1 070.7	1974	1980	MORRIS TCPL MATERIAL BALANCE CONCURRENT PRODUCTION
1.28	0.166	0.65	11 800	32	0.797	0.68	1 067.7	1964	1985	HOME TCPL MORRIS INVRNS OIL DEPLETED
7.50	0.248	0.80	11 580	34	0.799	0.69	1 084.9	1980	1989	HOME TCPL MORRIS INVRNS OIL DEPLETED
2.30	0.230	0.70	11 850	32	0.791	0.69	1 094.6	1959	1991	PROGAS GPP
										MORRIS TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION
5.07	0.280	0.65	4 350	24	0.923	0.60	589.3	1975	1993	PANALTA MATERIAL BALANCE
3.83	0.183	0.60	8 720	59	0.868	0.67	1 429.2	1953	1993	CNG KANNGAZ PANALTA TCPL WESTGAS MATERIAL BALANCE
3.08	0.205	0.70	8 580	59	0.869	0.67	1 393.3	1973	1985	KANNGAZ PANALTA TCPL MATERIAL BALANCE
1.36	0.202	0.55	7 420	35	0.870	0.61	933.8	1955	1991	
1.65	0.197	0.50	7 490	35	0.873	0.60	941.6	1955	1993	
3.05	0.203	0.55	7 380	29	0.870	0.60	965.1	1970	1983	
								1955	1993	WESTGAS SCEPTRE TCPL SUMMIT PANALTA INVRNS CRESTAR
						0.71		1969	1990	PANALTA TCPL PREV GAS CYCLING
						0.68		1971	1986	TCPL AMOCO TDP/BASE TVD
						0.92		1969	1988	PANALTA CNG TCPL AMOCO GULF GAS CYCLING, CONING GAS CAP, GPP
9.43	0.143	0.90	27 170	77	0.845	0.92	2 676.8	1969	1988	PANALTA CNG TCPL AMOCO GULF GAS CYCLING, CONING GAS CAP, GPP
10.86	0.138	0.90	14 120	65	0.820	0.68	2 038.7	1971	1993	PANALTA CNG TCPL AMOCO GULF GAS CYCLING, CONING GAS CAP, GPP
						0.68		1971	1993	MATERIAL BALANCE CONC PROD, DRY GAS BREAKTHRU
								1971	1993	MATERIAL BALANCE CONC PROD, DRY GAS BREAKTHRU
4.24	0.253	0.90	12 440	51	0.822	0.64	1 677.3	1971	1993	AMOCO HUSKY CNG TCPL CONC PROD, DRY GAS BREAKTHRU
										AMERADA

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
RICINUS 035-08W5 (CONTINUED)									
CARDIUM QQQ	439	0.85	0.15	317	18	299	41	12 229	200
VIKING A	1 131	0.75	0.10	763			39		600
VIKING A	427	0.75	0.10	288			40		200
VIKING A TOTAL	1 558	0.75	0.10	1 051	803	248	39	9 791	
VIKING E	606	0.80	0.10	437	182	255	39	9 835	200
VIKING K	532	0.75	0.10	359	281	78	39	3 079	200
VIKING C	461	0.85	0.10	353			40		200
VIKING G	588	0.85	0.10	450			39		200
VIKING C & G TOTAL	1 049	0.85	0.10	803	39	764	39	30 147	
VIKING M	445	0.85	0.10	340			39		400
VIKING P	775	0.85	0.10	593			39		600
VIKING M & P TOTAL	1 220	0.85	0.10	933	52	881	39	34 579	
VIKING N	312	0.85	0.10	239			39		200
VIKING O	211	0.75	0.10	142			39		200
VIKING N & O TOTAL	523	0.80	0.10	381	13	368	39	14 518	
D-3 A	11 668	0.40	0.40	2 800	1 622	1 178	37	43 928	1 561
D-3 B	2 588	0.85	0.45	1 210	545	665	37	24 771	800
D-3 C	1 986	0.80	0.40	953	67	886	37	33 030	250
OTHER	8 756			5 270	1 948	3 322		131 391	
TOTAL-RICINUS	48 504			28 178	7 442	20 736		824 481	
RICINUS WEST 036-10W5									
D-3 A	49 494	0.90	0.45	24 500	22 854	1 646	38	62 137	2 591
OTHER	453			348	289	59		2 332	
TOTAL-RICINUS WEST	49 947			24 848	23 143	1 705		64 469	
RINGS 080-05W6									
TOTAL-RINGS	168			116		116		4 523	
RIVERCOURSE 047-01W4									
TOTAL-RIVERCOURSE	565			398	148	250		8 771	
RIVIERE 055-27W4									
TOTAL-RIVIERE	509			344	105	239		9 366	
ROBIN 014-20W4									
GLAUCONITIC A	1 183	0.90	0.15	905	233	672	38	25 549	1 515
OTHER	325			209	24	185		6 930	
TOTAL-ROBIN	1 508			1 114	257	857		32 479	
ROCHE (SA) 067-07W5									
TOTAL-ROCHE	57			36		36		1 392	
ROCHESTER 062-23W4									
TOTAL-ROCHESTER	1 617			1 023	391	632		23 519	
ROCKYFORD 026-23W4									
TOTAL-ROCKYFORD	1 841			1 117	461	656		25 585	
ROLLA 079-06W6									
TOTAL-ROLLA	286			200		200		7 595	
ROMEO 025-04W4									
TOTAL-ROMEO	514			349		349		13 127	
RONALANE 013-12W4									
TOTAL-RONALANE	91			64		64		2 341	
ROSEBUD 027-21W4									
TOTAL-ROSEBUD	110			75		75		2 906	
ROSEVEAR 054-15W5									
BEAVERHILL LAKE A	7 095	0.90	0.17	5 300	3 867	1 433	38	54 870	3 201
BEAVERHILL LAKE B	6 095	0.85	0.17	4 300	2 168	2 132	38	81 634	2 145
OTHER	366			240		240		9 450	
TOTAL-ROSEVEAR	13 556			9 840	6 035	3 805		145 954	
ROSSBEAR (SA) 094-14W5									
TOTAL-ROSSBEAR	10			6		6		220	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
12.10	0.120	0.60	27 060	81	0.862	0.86	2 649.9	1969	1990	TCPL PANALTA
18.63	0.085	0.65	19 530	78	0.864	0.65	2 079.5	1972	1991	
13.72	0.110	0.75	19 800	74	0.860	0.65	2 173.3	1972	1991	TP/BS TVD. AS WELL 16-04-033-07W5M
20.80	0.100	0.75	20 500	74	0.865	0.66	2 793.1	1978	1988	PANALTA AMERADA
5.03	0.080	0.70	19 390	76	0.865	0.64	2 434.1	1987	1993	PANALTA AMERADA PANALTA AMERADA PRODUCTION DECLINE TOP/BASE TVD
14.40	0.110	0.75	20 980	86	0.856	0.73	2 759.2	1982	1991	TOP/BASE TVD
19.30	0.100	0.80	20 650	85	0.861	0.72	2 857.2	1982	1991	TOP/BASE TVD
11.95	0.074	0.70	20 410	91	0.888	0.67	2 836.5	1988	1993	AMERADA PANALTA
12.40	0.084	0.70	20 330	90	0.899	0.65	2 736.2	1988	1993	TOP/BASE TVD
21.50	0.050	0.70	23 430	86	0.896	0.67	2 729.3	1990	1991	NORCEN AMERADA PANALTA
15.30	0.050	0.65	24 490	89	0.908	0.67	2 845.9	1990	1991	TOP/BASE TVD
35.15	0.073	0.75	40 610	108	0.973	0.79	4 206.1	1968	1984	AMERADA PANALTA
37.96	0.033	0.85	39 850	118	0.954	0.82	4 233.6	1972	1991	CNG TCPL PRODUCTION DECLINE
34.70	0.090	0.90	35 720	116	0.924	0.81	4 294.0	1991	1992	CNG HUSKY GULF TOP/BASE TVD BVI TOP/BASE TVD
124.66	0.065	0.90	39 910	118	0.949	0.83	4 465.4	1969	1986	CNG TCPL HUSKY MATERIAL BALANCE
4.34	0.192	0.70	11 740	38	0.802	0.71	1 214.5	1981	1992	KANNGAZ NRTHSTR SUMMIT WESTGAS CRESTAR
11.39	0.089	0.85	32 810	116	0.989	0.71	3 222.7	1971	1989	TCPL MATERIAL BALANCE
17.87	0.089	0.85	32 810	116	0.989	0.71	3 224.9	1974	1989	TCPL MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
ROUSSEAU (SA) 090-01W6 TOTAL-ROUSSEAU	10			6		6		224	
ROUTE 062-08W6 TOTAL-ROUTE	269			180	27	153		5 963	
ROWLEY 032-20W4 BELLY RIVER A	667	0.75	0.05	475	437	38	37	1 407	905
PEKISKO A ASSOC		0.92	0.05				40		882
PEKISKO A SOLN	505	0.65	0.05	312b			40		
PEKISKO A ASSOC		0.92	0.05				40		1 081
PEKISKO A ASSOC		0.92	0.05				40		188
PEKISKO A TOTAL	1 913	0.85	0.05	1 542b	1 322b	220			
OTHER	3 839			2 391	854	1 537		59 402	
TOTAL-ROWLEY	6 419			4 408	2 613	1 795		60 809	
ROXANA 078-19W5 TOTAL-ROXANA	633			420	1	419		15 667	
ROYAL 053-16W4 TOTAL-ROYAL	1 369			848	263	585		21 858	
ROYCE 084-07W6 WAB 02-084-07	571	0.75	0.10	385		385	36	13 983	440
OTHER	260			187		187		6 753	
TOTAL-ROYCE	831			572		572		20 736	
RUBEN (SA) 083-03W5 TOTAL-RUBEN	5			3		3		116	
RUMSEY 034-21W4 TOTAL-RUMSEY	1 864			1 163	774	389		14 691	
RUNDLE 065-16W4 TOTAL-RUNDLE	171			102	62	40		1 488	
RUSSET (SA) 120-22W5 TOTAL-RUSSET	52			37		37		1 365	
RYAN (SA) 096-14W5 TOTAL-RYAN	45			26		26		954	
RYCROFT 077-04W6 GETHING D	551	0.80	0.10	397	21	376	38	14 123	150
OTHER	2 800			1 678	349	1 329		51 572	
TOTAL-RYCROFT	3 351			2 075	370	1 705		65 695	
SABBATH (SA) 106-12W6 TOTAL-SABBATH	10			7		7		267	
SADDLE HILLS 076-08W6 PADDY B	1 203	0.70	0.05	800	604	196	37	7 240	1 681
OTHER	1 425			882	280	602		22 939	
TOTAL-SADDLE HILLS	2 628			1 682	884	798		30 179	
SAKWATAMAU 063-14W5 TOTAL-SAKWATAMAU	758			489	17	472		18 099	
SALESKI 086-18W4 GROSMONT A	3 494	0.50	0.05	1 660	1 381	279	36	10 175	35 467
GROSMONT B	497	0.70	0.05	331	307	24	36	875	5 457
OTHER	152			75		75		2 750	
TOTAL-SALESKI	4 143			2 066	1 688	378		13 800	
SALTER 027-08W5 RUNDLE A	3 581	0.70	0.25	1 880	403	1 477	37	55 328	1 780
TOTAL-SALTER	3 581			1 880	403	1 477		55 328	
SAMSON 044-24W4 TOTAL-SAMSON	1 022			718	264	454		17 747	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
9.34 4.83	0.308 0.077	0.60 0.80	3 100 10 240	27 50	0.945 0.825	0.56 0.68	677.7 1 348.8	1964 1960	1991 1992	SCEPTRE TCPL PRODUCTION DECLINE MATERIAL BALANCE CONCURRENT PRODUCTION
2.25 3.35	0.158 0.048	0.85 0.80	10 360 10 220	50 39	0.827 0.799	0.68 0.67	1 332.4 1 350.3	1960 1960	1992 1988	MATERIAL BALANCE CONCURRENT PRODUCTION MATERIAL BALANCE MATERIAL BALANCE CAN88IT ESSO TCPL KANNGAZ CONCURRENT PRODUCTION
15.85	0.060	0.70	22 370	85	0.912	0.65	2 128.3	1974	1983	TCPL
21.40	0.190	0.75	11 890	52	0.863	0.63	1 262.2	1983	1989	
6.09	0.180	0.60	7 020	52	0.901	0.62	1 215.8	1972	1988	TCPL AEL ALTROAN NORCEN POCD MATERIAL BALANCE
13.68 13.07	0.133 0.122	0.15 0.30	780 750	9 9	0.983 0.983	0.57 0.57	244.8 235.8	1977 1980	1991 1991	PARAMNT NCMI PANALTA MATERIAL BALANCE PARAMNT PANALTA PRODUCTION DECLINE
21.20	0.051	0.75	26 900	75	0.886	0.68	2 670.7	1972	1987	PANALTA TOP/BASE TVD

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
SAND (SA) 069-08W4 TOTAL-SAND	32			18		18		662	
SANDY 082-20W4 TOTAL-SANDY	2			1	1				
SANGUDO 057-06W5 TOTAL-SANGUDO	355			247	2	245		8 789	
SAPPHIRE (SA) 002-05W4 TOTAL-SAPPHIRE	171			122		122		4 517	
SARAH 066-07W5 TOTAL-SARAH	109			73		73		2 775	
SARCEE 023-03W5 RUNDLE A TOTAL-SARCEE	6 744 6 744	0.85	0.18	4 700 4 700	3 746 3 746	954 954	39	37 435 37 435	1 304
SAUNDERS 040-13W5 RUNDLE B TV 19-040-13 TOTAL-SAUNDERS	1 598 760 2 358	0.40 0.60	0.10 0.10	575 410 985	175 175	400 410 810	38 39	15 384 15 871 31 255	991 200
SAVANNA CREEK 014-04W5 RUNDLE A TOTAL-SAVANNA CREEK	6 860 6 860	0.80	0.20	4 390 4 390	3 257 3 257	1 133 1 133	38	42 567 42 567	2 992
SAWDY 069-22W4 TOTAL-SAWDY	119			82	32	50		1 873	
SAXON 061-24W5 TOTAL-SAXON	312			214		214		8 250	
SCANDIA 016-16W4 TOTAL-SCANDIA	205			164	161	3		111	
SCULLY (SA) 100-20W5 TOTAL-SCULLY	84			60		60		2 131	
SEAL 082-14W5 DBLT 082-14 OTHER TOTAL-SEAL	556 496 1 052	0.70	0.15	331 327 658		331 327 658	37	12 403 12 050 24 453	931
SEDALIA 030-05W4 BELLY RIVER A	1 600	0.50	0.05	760	690	70	37	2 575	6 424
BELLY RIVER D	552	0.60	0.05	314	304	10	37	368	2 451
VIKING C		0.73	0.08				37		10 604
VIKING E		0.73	0.08				37		4 632
VIKING C & E TOTAL	1 562	0.75	0.10	1 050	874	176	37	6 493	
VIKING A		0.70	0.08				37		7 453
VIKING F		0.70	0.08				37		200
UPPER MANNVILLE D		0.70	0.05				37		256
LOWER MANNVILLE B		0.70	0.05				37		1 294
VIK A&F, UMN D & LMN TOTAL	714	0.70	0.05	465	428	37	37	1 372	
OTHER	1 378			849	518	331		12 161	
TOTAL-SEDALIA	5 806			3 438	2 814	624		22 969	
SEGEWICK 042-12W4 BASAL MANNVILLE A OTHER TOTAL-SEGEWICK	614 266 880	0.85	0.10	470 188 658	392 35 427	78 153 231	37	2 874 5 596 8 470	1 001
SEIU LAKE 025-18W4 BELLY RIVER B MEDICINE HAT A SE ALTA GAS SYS (MU) TOTAL	567 856 856	0.90 0.70 0.70	0.05 0.03 0.05	485 581 581	8	477	37 36 36	17 468 21 189	250 12 401
UPPER MANNVILLE A	31	0.85	0.10	23			39		333
UPPER MANNVILLE A	738	0.85	0.10	564			39		3 043
UPPER MANNVILLE A	36	0.70	0.10	23			39		300
UPPER MANNVILLE A	68	0.70	0.10	43			38		188

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
29.54	0.074	0.80	26 300	81	0.900	0.71	3 051.2	1954	1984	CWNGNUL MATERIAL BALANCE DEEP CUT SL
13.58 31.54	0.059 0.060	0.80 0.80	32 030 35 580	93 115	0.989 1.039	0.62 0.62	3 571.4 4 002.0	1976 1977	1984 1991	TCPL AMERADA TCPL
62.70	0.045	0.85	19 210	73	0.851	0.69	2 534.2	1954	1987	HUSKY MOBIL KANNGAZ MATERIAL BALANCE
6.10	0.234	0.90	4 550	30	0.919	0.65	609.3	1972	1992	NORCEN BER
3.26	0.341	0.70	1 370	7	0.970	0.56	195.4	1973	1992	ESSO TCPL CWNGNUL CRESTAR PRODUCTION DECLINE
3.75	0.339	0.75	1 370	10	0.970	0.56	202.7	1975	1988	CWNGNUL PRODUCTION DECLINE
1.13	0.236	0.55	6 380	32	0.889	0.59	835.8	1954	1985	MATERIAL BALANCE
0.81	0.216	0.45	6 280	32	0.895	0.58	835.8	1958	1985	MATERIAL BALANCE
1.56	0.233	0.45	6 570	32	0.892	0.57	749.4	1954	1985	TCPL BVI
0.75	0.120	0.40	6 380	32	0.889	0.59	782.4	1956	1992	PRODUCTION DECLINE
2.44	0.220	0.50	7 330	31	0.872	0.59	801.6	1957	1992	PRODUCTION DECLINE
2.20	0.280	0.35	7 950	32	0.870	0.58	829.2	1976	1992	PRODUCTION DECLINE
								1968	1992	ESSO TCPL PANALTA
								1956	1992	
3.62	0.301	0.80	6 740	35	0.884	0.63	897.7	1954	1990	HUSKY TCPL
22.00 1.60	0.260 0.170	0.55 0.55	6 620 4 310	23 17	0.883 0.916	0.57 0.56	572.5 783.7	1988 1904 1904	1990 1987 1983	TCPL PART OF MED HAT POOL NO.1 TCPL PANCDN
0.90	0.175	0.55	9 720	38	0.815	0.66	1 291.3	1960	1992	
2.08	0.184	0.60	9 690	42	0.828	0.65	1 336.7	1960	1993	
1.80	0.130	0.50	9 500	45	0.837	0.65	1 392.5	1960	1992	
3.55	0.169	0.60	9 300	43	0.831	0.67	1 399.5	1960	1992	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
SEIU LAKE 025-18W4 (CONTINUED)									
UPPER MANNVILLE A	21	0.75	0.10	14			38		150
UPPER MANNVILLE A TOTAL	894	0.85	0.10	667	630	37	39	1 455	
OTHER	1 519			992	211	781		30 030	
TOTAL-SEIU LAKE	3 836			2 725	849	1 876		70 142	
SEXSMITH 074-06W6									
BLUESKY A	490	0.85	0.10	375	78	297	39	11 598	1 829
OTHER	1 086			704	245	459		17 773	
TOTAL-SEXSMITH	1 576			1 079	323	756		29 371	
SHADOW 074-17W5									
TOTAL-SHADOW	79			59		59		2 205	
SHANE 077-02W6									
KISKATINAW B	1 115	0.90	0.10	904	214	690	39	27 027	1 008
OTHER	555			394	84	310		12 034	
TOTAL-SHANE	1 670			1 298	298	1 000		39 061	
SHANNON 026-06W4									
TOTAL-SHANNON	165			103	4	99		3 659	
SHAUNICY (SA) 006-03W4									
TOTAL-SHAUNICY	11			7		7		256	
SHAW 049-22W5									
SPRAY RIVER A	139	0.75	0.10	94			37		200
RUNDLE A	2 345	0.40	0.10	844			38		2 348
SPRAY RIV A&RUNDLE A TOTAL	2 484	0.40	0.10	938	468	470	38	17 851	
TOTAL-SHAW	2 484			938	468	470		17 851	
SHEKILIE 117-09W6									
SUL PT 08-119-07	419	0.85	0.15	303		303	36	10 884	64
KR 11-118-08	944	0.80	0.25	566		566	43	24 202	64
OTHER	4 768			2 582	250	2 332		93 573	
TOTAL-SHEKILIE	6 131			3 451	250	3 201		128 659	
SHETLAND 106-10W6									
TOTAL-SHETLAND	27			18		18		652	
SHOULDICE 020-23W4									
MEDICINE HAT A	943	0.70	0.03	640			36		14 671
SE ALTA GAS SYS (MU) TOTAL	943	0.70	0.05	640	1	639	36	23 304	
GLAUCONITIC J SOLN	20	0.65	0.30	9b			40		
GLAUCONITIC J ASSOC	506	0.90	0.10	410b	275b	144	40	5 688	252
OTHER	2 145			1 309	446	863		33 658	
TOTAL-SHOULDICE	3 614			2 368	722	1 646		62 650	
SIBBALD 027-02W4									
VIKING A	1 039	0.80	0.05	789	696	93	37	3 412	2 989
OTHER	2 063			1 381	393	988		36 286	
TOTAL-SIBBALD	3 102			2 170	1 089	1 081		39 698	
SILER 057-06W4									
TOTAL-SILER	186			120	25	95		3 475	
SILVER 017-28W4									
TOTAL-SILVER	236			161		161		6 218	
SIMONETTE 063-26W5									
DUNVEGAN F ASSOC	2 603	0.70	0.10	1 640	374	1 266	41	52 248	3 518
GETHING A	1 094	0.75	0.10	739	229	510	40	20 446	1 401
WABAMUN A	600	0.85	0.40	306	272	34	39	1 320	128
D-3 SOLN	5 781	0.64	0.50	1 850b			41		
D-3 ASSOC		0.80	0.25		1 761b	89	41	3 667	
OTHER	3 130			1 805	329	1 476		59 889	
TOTAL-SIMONETTE	13 208			6 340	2 965	3 375		137 570	
SIMONETTE NORTH 064-25W5									
TOTAL-SIMONETTE NORTH	35			23		23		889	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
2.00	0.140	0.40	11 540	52	0.827	0.67	1 423.0	1960 1960	1992 1993	ASSIGNED WELL 14-32-025-18W4M DIRECT PANCDN NOVER TCPL
3.15	0.122	0.55	12 790	65	0.849	0.66	1 561.3	1986	1993	CWNGNUL HUSKY NORCEN ENCOR
1.43	0.153	0.75	14 520	63	0.801	0.73	1 518.6	1976	1992	INVRNS TCPL MATERIAL BALANCE
2.40 10.58	0.090 0.050	0.90 0.85	32 680 33 270	99 137	1.008 1.039	0.63 0.61	3 920.5 3 973.3	1973 1973 1973	1986 1984 1986	PRODUCTION DECLINE TOP/BASE TVD TOP/BASE TVD TCPL
60.13 85.00	0.098 0.100	0.85 0.80	13 710 19 860	66 71	0.879 0.757	0.67 0.84	1 639.5 1 732.5	1969 1983	1969 1984	WESTGAS HOME
1.49	0.170	0.55	4 310	17	0.916	0.56 0.67	872.4	1904 1904 1981	1988 1988 1989	PART OF MED HAT POOL NO.1 PROGAS PANALTA NOVER SHELL NORCEN DIRECT AMERADA CONCURRENT PRODUCTION SHELL NORCEN DIRECT AMERADA CONCURRENT PRODUCTION
7.48	0.222	0.80	13 330	45	0.788	0.67	1 648.2	1981	1989	
2.49	0.228	0.50	6 880	31	0.886	0.58	755.1	1951	1973	TCPL CRESTAR MATERIAL BALANCE
5.62 4.71 46.94	0.125 0.130 0.080	0.70 0.70 0.85	13 860 19 530 34 160	59 77 104	0.789 0.871 0.903	0.70 0.63 1.13 0.87 0.87	1 829.7 2 525.4 3 364.9	1959 1970 1959 1958 1958	1990 1988 1989 1992 1992	PROGAS OIL DEPLETED NRTHSTR AMOCO DIRECT BVI ENCOR PRODUCTION DECLINE SECONDARY GAS CAP PRODUCING, GPP SECONDARY GAS CAP PRODUCING, GPP

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
SINCLAIR 074-12W6									
PADDY A	5 062	0.90	0.10	4 100	4 062	38	41	1 544	3 437
PADDY B	1 400	0.80	0.10	1 008	910	98	41	3 969	1 743
PADDY D	494	0.85	0.10	378	164	214	40	8 650	1 725
FALHER A	2 852	0.85	0.15	2 060	1 668	392	40	15 794	11 200
BLUESKY A		0.75	0.05				38		200
BLUESKY C		0.85	0.05				38		629
BLUESKY A & C TOTAL	447	0.85	0.05	361	294	67	38	2 549	
NOTIKWIN A	222	0.75	0.10	150			41		500
CADOMIN A	4 236	0.70	0.15	2 520			38		13 114
NOTI A & CADOMIN A TOTAL	4 458	0.70	0.15	2 670	107	2 563	38	97 394	
DOIG A	10 370	0.75	0.10	7 000	3 400	3 600	38	135 936	4 715
OTHER	7 587			5 050	1 319	3 731		145 808	
TOTAL-SINCLAIR	32 670			22 627	11 924	10 703		411 644	
SIPHON (SA) 086-10W6									
TOTAL-SIPHON	26			19		19		713	
SKARD 057-19W4									
TOTAL-SKARD	170			113		113		4 324	
SLAVE 084-14W5									
TOTAL-SLAVE	874			543	44	499		17 422	
SMITH 071-25W4									
WABISKAW A	481	0.80	0.05	366	33	333	37	12 384	1 682
OTHER	2 282			1 435	100	1 335		49 992	
TOTAL-SMITH	2 763			1 801	133	1 668		62 376	
SMITH COULEE 004-11W4									
BOW ISLAND A	941	0.85	0.05	760	711	49	35	1 696	17 862
BOW ISLAND B	421	0.85	0.05	340	336	4	35	140	4 973
OTHER	160			105	30	75		2 573	
TOTAL-SMITH COULEE	1 522			1 205	1 077	128		4 409	
SMOKY (SA) 059-03W6									
TOTAL-SMOKY	156			112		112		4 384	
SMOKY HEIGHTS (SA) 074-02W6									
TOTAL-SMOKY HEIGHTS	404			315		315		11 741	
SNEDDON 080-10W6									
TOTAL-SNEDDON	228			150		150		5 681	
SNIFE LAKE 071-18W5									
TOTAL-SNIFE LAKE	1 832			293	293				
SNOWFALL 099-08W6									
TOTAL-SNOWFALL	403			285	31	254		10 054	
SOUNDING 030-09W4									
TOTAL-SOUNDING	1 110			709	448	261		9 852	
SOUSA 112-05W6									
BLUESKY A	751	0.50	0.05	357	345	12	38	458	13 193
OTHER	431			257	21	236		8 882	
TOTAL-SOUSA	1 182			614	366	248		9 340	
SPENCER 066-08W4									
TOTAL-SPENCER	45			26		26		953	
SPIERS 034-15W4									
TOTAL-SPIERS	967			624	315	309		11 501	
SPIRIT RIVER 078-07W6									
TOTAL-SPIRIT RIVER	1 996			1 121	266	855		32 934	
SPRUCE GROVE 052-27W4									
TOTAL-SPRUCE GROVE	123			85	10	75		2 867	

[illegible]

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
SPUR 072-02W5 WABISKAW A	600	0.75	0.05	428	399	29	37	1 074	2 728
OTHER	1 211			799	296	503		18 611	
TOTAL-SPUR	1 811			1 227	695	532		19 685	
SPUTINA (SA) 096-23W4 TOTAL-SPUTINA	94			63		63		2 265	
ST ALBERT-BIG LAKE 053-26W4 OSTRACOD A	3 301	0.85	0.15	2 385	2 385	< 1	39	-	3 074
BASAL QUARTZ B	692	0.85	0.15	500		500	39	19 500	404
OTHER	1 355			825	48	777		29 843	
TOTAL-ST ALBERT-BIG LAKE	5 348			3 710	2 433	1 277		49 343	
ST ANNE 054-04W5 TOTAL-ST ANNE	716			450	158	292		11 507	
ST PAUL 058-09W4 UPPER MANNVILLE A	1 104	0.80	0.05	839	440	399	38	14 986	1 500
OTHER	1 599			961	416	545		20 312	
TOTAL-ST PAUL	2 703			1 800	856	944		35 298	
STANDARD 026-22W4 VIKING A	652	0.90	0.10	528	114	414	39	16 034	1 703
OTHER	12			8		8		304	
TOTAL-STANDARD	664			536	114	422		16 338	
STANDISH (SA) 068-07W4 TOTAL-STANDISH	7			4		4		149	
STANMORE 029-11W4 VIKING A		0.70	0.05				38		12 191
VIKING B		0.70	0.05				38		2 383
UPPER MANNVILLE Z		0.85	0.10				39		2 268
VIKING A,B U MANN Z TOTAL	2 891	0.75	0.05	2 038	1 917	121			
OTHER	4 521			3 171	1 613	1 558		58 695	
TOTAL-STANMORE	7 412			5 209	3 530	1 679		58 695	
STEELE 066-25W4 UPPER MANNVILLE G		0.75	0.05				38		363
UPPER MANNVILLE G		0.75	0.05				38		150
UPPER MANNVILLE G TOTAL	467	0.75	0.05	333	181	152		5 733	
UPPER MANNVILLE B	42	0.70	0.05	28			38		260
GRAND RAPIDS R	834	0.75	0.05	595			36		523
U MANN B & GRD RP R TOTAL	876	0.75	0.05	623	315	308	36	11 183	
WABAMUN F	537	0.70	0.05	357	339	18	38	678	1 174
OTHER	2 771			1 774	864	910		34 265	
TOTAL-STEELE	4 651			3 087	1 699	1 388		51 859	
STEEN 108-01W6 TOTAL-STEEN	358			179		179		6 635	
STEEP BANK (SA) 094-07W4 TOTAL-STEEP BANK	69			33		33		1 229	
STETTTLER 038-20W4 TOTAL-STETTTLER	1 270			380	284	96		3 792	
STETTTLER NORTH 039-20W4 LOWER MANNVILLE B	716	0.75	0.10	483	345	138	39	5 357	595
OTHER	519			283	21	262		10 051	
TOTAL-STETTTLER NORTH	1 235			766	366	400		15 408	
STEVE 059-07W4 TOTAL-STEVE	821			534	382	152		5 787	
STEWART 032-28W4 TOTAL-STEWART	696			440	2	438		17 620	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
2.79	0.263	0.75	3 340	27	0.940	0.57	573.1	1979	1992	NORCEN SASKOIL ATCOR SCEPTRE AMEAGLE CNRL SHELL PRODUCTION DECLINE
2.80 9.90	0.192 0.198	0.75 0.85	10 090 9 410	35 49	0.760 0.808	0.78 0.78	1 128.9 1 144.4	1952 1952	1993 1992	ESSO
3.59	0.291	0.75	3 280	16	0.931	0.57	479.4	1947	1990	TARRAGN TCPL CENTRA ESSO PANALTA NCMI RENENER MATERIAL BALANCE
2.56	0.200	0.60	8 890	30	0.822	0.63	1 278.9	1956	1973	TCPL
2.14 1.49 1.69	0.233 0.267 0.231	0.55 0.50 0.65	7 310 7 310 9 450	33 33 38	0.873 0.873 0.825	0.60 0.60 0.64	865.1 882.1 1 044.1	1961 1961 1970 1961	1991 1991 1983 1992	PRODUCTION DECLINE PRODUCTION DECLINE PRODUCTION DECLINE WESTGAS TARRAGN NRTHSTR ESSO PROGAS TCPL
5.89 1.00	0.274 0.250	0.85 0.50	4 570 3 860	21 23	0.906 0.922	0.59 0.59	594.8 579.0	1991 1991 1991	1993 1993 1993	PRODUCTION DECLINE PRODUCTION DECLINE TCPL NORCEN
1.64 13.06 7.25	0.271 0.301 0.167	0.60 0.80 0.65	5 760 4 760 4 120	29 21 32	0.894 0.908 0.924	0.59 0.59 0.60	757.2 625.3 667.2	1988 1988 1975	1993 1992 1993	GAS POOL PRODUCING OIL TCPL PRODUCTION DECLINE
3.65	0.207	0.80	9 600	56	0.865	0.65	1 339.1	1975	1990	CENTRA TCPL SCEPTRE BVI GARDNER MATERIAL BALANCE NONCOMMERCIAL OIL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
STIMSON (SA) 015-02W5 TOTAL-STIMSON	59			27		27		1 070	
STIRLING 007-19W4 BOW ISLAND A OTHER TOTAL-STIRLING	536 32 568	0.85	0.05	433 17 450	417 417	16 17 33	37	592 581 1 173	5 584
STOLBERG 042-15W5 RUNDLE A RUNDLE B RUNDLE C RUNDLE D RUNDLE A,B,C & D TOTAL RUNDLE E RUNDLE F RUNDLE G RUNDLE E, F & G TOTAL OTHER TOTAL-STOLBERG	2 708 4 178 552 1 570 9 008 951 803 565 2 319 224 11 551	0.50 0.50 0.50 0.50 0.50 0.45 0.45 0.50 0.45	0.10 0.10 0.15 0.15 0.10 0.10 0.10 0.15 0.10	1 220 1 880 235 667 4 002 385 325 241 951 151 5 104	 1 775 646 2 421	 2 227 305 151 2 683	39 39 39 39 39 39 39 39 39	86 541 11 846 6 152 104 539	1 021 2 779 440 1 794 400 335 440
STONY PLAIN (SA) 053-01W5 TOTAL-STONY PLAIN	103			70		70		2 709	
STRACHAN 037-09W5 GLAUCONITIC B GLAUCONITIC D GLAUCONITIC G D-3 A D-3 B D-3 C D-3 D OTHER TOTAL-STRACHAN	1 000 817 467 40 741 540 3 147 1 314 2 631 50 657	0.80 0.80 0.75 0.90 0.90 0.60 0.80	0.10 0.05 0.10 0.25 0.15 0.20 0.25	720 621 315 27 500 413 1 510 788 1 823 33 690	705 355 248 25 395 390 1 334 11 306 28 744	15 266 67 2 105 23 176 777 1 517 4 946	40 39 40 39 38 39 39	593 10 433 2 651 82 495 873 6 816 30 420 59 869 194 150	2 041 1 522 150 1 973 645 723 250
STRATHMORE 024-25W4 BELLY RIVER A VIKING B OTHER TOTAL-STRATHMORE	5 457 576 1 813 7 846	0.60 0.75	0.05 0.05	3 110 410 1 011 4 531	2 395 334 359 3 088	715 76 652 1 443	36 37	26 069 2 781 24 834 53 684	13 957 2 563
STROME 044-16W4 MANNVILLE G OTHER TOTAL-STROME	844 2 445 3 289	0.75	0.05	601 1 558 2 159	302 584 886	299 974 1 273	37	11 006 36 107 47 113	1 173
STRY 058-13W4 UPPER MANNVILLE A OTHER TOTAL-STRY	1 000 1 520 2 520	0.70	0.05	665 974 1 639	260 423 683	405 551 956	37	15 147 20 546 35 693	4 115
STURGEON LAKE 071-23W5 D-3 SOLN OTHER TOTAL-STURGEON LAKE	2 487 561 3 048	0.50	0.40	746 375 1 121	145 1 146	601 374 975	39	23 469 13 899 37 368	
STURGEON LAKE SOUTH 069-22W5 D-3 SOLN D-3 ASSOC OTHER TOTAL-STURGEON LAKE SOUTH	8 967 333 3 019 12 319	0.55 0.80	0.45 0.20	2 713 ^b 213 ^b 1 658 4 584	 2 268 ^b 262 2 530	 658 1 396 2 054	37 37	 24 471 53 972 78 443	226
SUFFIELD 018-06W4 MILK RIVER A MEDICINE HAT A MEDICINE HAT C MEDICINE HAT D SECOND WHITE SPECKS A	31 127 16 494 1 836 2 062 15 860	0.70 0.70 0.50 0.50 0.75	0.05 0.03 0.03 0.03 0.05	20 700 11 200 890 1 000 11 300	 	 	36 36 36 36 36	 	261 713 224 904 58 896 46 656 153 056

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
2.62	0.204	0.65	3 360	27	0.940	0.56	781.5	1957	1986	CWNGNUL PRODUCTION DECLINE
24.06	0.050	0.85	31 830	107	0.995	0.64	3 471.4	1957	1984	TOP/BASE TVD
15.80	0.047	0.85	32 470	112	1.007	0.64	3 802.7	1957	1984	TOP/BASE TVD
13.10	0.047	0.85	33 290	117	1.013	0.65	4 113.6	1957	1984	TOP/BASE TVD
8.94	0.048	0.85	33 400	117	1.015	0.64	3 981.1	1974	1984	TCPL PANALTA AMOCO ENCOR
21.30	0.052	0.85	31 770	91	0.983	0.63	3 386.1	1976	1991	
19.27	0.058	0.85	32 310	94	0.992	0.62	3 769.5	1976	1984	
12.60	0.050	0.85	33 400	117	1.015	0.64	3 892.5	1974	1984	TCPL PANALTA HOME AMERADA ENCOR
4.18	0.075	0.70	32 110	99	0.983	0.65	3 004.0	1981	1989	ESSO CNG TCPL HUSKY AMOCO HILL AMERADA PRODUCTION DECLINE
3.12	0.100	0.70	31 460	98	0.981	0.64	3 008.9	1972	1991	ESSO CNG TCPL HUSKY AMERADA
6.60	0.068	0.80	30 120	87	0.951	0.65	3 333.6	1985	1992	ESSO CNG TCPL HUSKY AMERADA PRODUCTION DECLINE TOP/BASE TVD
115.81	0.082	0.90	49 300	124	1.151	0.76	4 110.8	1967	1986	CNG TCPL HUSKY MATERIAL BALANCE TOP/BASE TVD
51.51	0.031	0.80	49 190	124	1.162	0.63	4 097.9	1970	1987	CNG HUSKY MATERIAL BALANCE TOP/BASE TVD
25.01	0.080	0.80	31 410	116	0.964	0.75	3 712.6	1972	1992	TCPL AMOCO AMERADA
25.00	0.090	0.85	37 720	115	1.006	0.78	4 242.1	1990	1992	AEC TOP/BASE TVD
7.49	0.211	0.60	3 160	30	0.946	0.57	888.9	1962	1991	CWNGNUL PANCDN WESTGAS MATERIAL BALANCE
0.99	0.149	0.65	7 700	44	0.884	0.62	1 474.7	1976	1992	CWNGNUL PANCDN PRODUCTION DECLINE
5.95	0.239	0.70	7 170	44	0.890	0.63	1 042.5	1980	1989	SCEPTRE TCPL
2.95	0.327	0.60	4 050	24	0.924	0.56	615.9	1970	1987	SASKEN TCPL
						0.85		1953	1993	TCPL
17.85	0.044	0.80	26 710	86	0.902	0.78	2 518.4	1953	1987	AMERADA POCD GARDNER GPP AMERADA POCD GARDNER GPP
7.80	0.154	0.55	3 140	16	0.937	0.56	355.0	1910	1983	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
1.70	0.170	0.55	4 310	17	0.916	0.56	435.3	1904	1982	PART OF MED HAT POOL NO.1
0.79	0.139	0.60	4 450	19	0.916	0.56	412.7	1973	1992	PART OF MED HAT POOL NO.3
1.12	0.139	0.60	4 450	19	0.916	0.56	435.4	1973	1987	PART OF MED HAT POOL NO.4
1.34	0.216	0.60	5 690	27	0.904	0.56	630.0	1944	1987	PART OF 2WS POOL NO.1

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
SUFFIELD 018-06W4 (CONTINUED)									
SE ALTA GAS SYS(MU) TOTAL	67 379	0.70	0.05	45 090	27 978	17 112	36	624 075	
BOW ISLAND N	841	0.80	0.05	639	288	351	36	12 632	2 020
UPPER MANNVILLE I	1 684	0.80	0.05	1 280	-142	1 422	36	50 780	2 186
UPPER MANNVILLE J ASSOC	9	0.75	0.05	7 ^b			36		8
UPPER MANNVILLE J SOLN	893	0.65	0.05	551 ^b			36		
UPPER MANNVILLE J ASSOC	54	0.75	0.05	39 ^b			36		64
UPPER MANNVILLE J ASSOC	2	0.70	0.05	1 ^b			36		16
UPPER MANNVILLE J TOTAL	958	0.65	0.05	598 ^b	55 ^b	543	36	19 608	
UPPER MANNVILLE AA	399	0.80	0.05	303	26	277	37	10 302	300
OTHER	5 104			3 409	1 207	2 202		79 328	
TOTAL-SUFFIELD	76 365			51 319	29 412	21 907		796 725	
SUGDEN 062-10W4									
VIKING A	3 973	0.40	0.05	1 510	20	1 490	37	55 815	67 678
COLONY D	589	0.75	0.05	420	318	102	37	3 810	1 515
COLONY S	406	0.85	0.05	328	195	133	36	4 840	1 685
GRAND RAPIDS J		0.65	0.05				37		1 565
GRAND RAPIDS K		0.65	0.05				38		413
GRAND RAPIDS J & K TOTAL	615	0.65	0.05	380	301	79	37	2 955	
GRAND RAPIDS A	540	0.75	0.05	385			37		5 040
GRAND RAPIDS O	54	0.65	0.05	33			37		200
GRAND RAPIDS A & O TOTAL	594	0.75	0.05	418	145	273	37	10 098	
MCMURRAY C	640	0.65	0.05	395	317	78	37	2 894	800
OTHER	6 506			4 114	1 832	2 282		85 084	
TOTAL-SUGDEN	13 323			7 565	3 128	4 437		165 496	
SULLIVAN LAKE 035-13W4									
BELLY RIVER A	627	0.75	0.05	447			37		2 085
BELLY RIVER B	52	0.70	0.05	34			37		487
BELLY RIVER A & B TOTAL	679	0.75	0.05	481	406	75	37	2 774	
OTHER	1 678			955	524	431		16 281	
TOTAL-SULLIVAN LAKE	2 357			1 436	930	506		19 055	
SUNCHILD 043-11W5									
ELKTON - SHUNDA A	45	0.75	0.10	31			38		128
ELKTON - SHUNDA A	775	0.85	0.15	560			39		2 157
ELKTON - SHUNDA A	376	0.85	0.15	272			39		1 468
ELKTON-SHUNDA A TOTAL	1 196	0.85	0.15	863	342	521	39	20 267	
OTHER	195			132	123	9		351	
TOTAL-SUNCHILD	1 391			995	465	530		20 618	
SUNDANCE 054-21W5									
VIKING A	3 028	0.90	0.05	2 589	2 388	201	40	7 990	2 554
CADM 22-054-21	405	0.85	0.10	310		310	39	12 034	150
OTHER	1 426			971	280	691		26 986	
TOTAL-SUNDANCE	4 859			3 870	2 668	1 202		47 010	
SUNNYNOOK 026-11W4									
UPPER MANNVILLE B	566	0.75	0.05	404	76	328	30	9 833	1 271
BASAL MANNVILLE I	558	0.85	0.05	450	122	328	38	12 316	300
BASAL MANNVILLE J	545	0.90	0.05	466	227	239	38	8 998	903
BASAL MANNVILLE V	607	0.85	0.05	490	196	294	37	10 969	988
OTHER	4 663			3 267	1 076	2 191		81 699	
TOTAL-SUNNYNOOK	6 939			5 077	1 697	3 380		123 815	
SUNSET 069-19W5									
TOTAL-SUNSET	225			155	32	123		4 767	
SUPERBA 026-04W4									
GLAUCONITIC B	829	0.90	0.05	709	261	448	37	16 639	1 680
OTHER	1 055			727	118	609		22 779	
TOTAL-SUPERBA	1 884			1 436	379	1 057		39 418	
SURRETTE (SA) 097-15W5									
TOTAL-SURRETTE	524			312		312		11 063	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
								1904	1986	TCPL CWNGNUL PANALTA RENENER AEC POCO CRESTAR
2.93	0.267	0.65	7 550	27	0.874	0.59	814.3	1970	1993	TCPL PANALTA
3.65	0.237	0.75	10 520	33	0.850	0.60	977.6	1974	1991	MATERIAL BALANCE
5.20	0.270	0.80	9 340	35	0.865	0.59	889.4	1966	1991	GPP
						0.59		1966	1991	GPP
3.80	0.280	0.80	9 340	35	0.865	0.59	942.3	1966	1987	ASSIGNED WELL 02/08-33-019-08W4M
1.20	0.290	0.60	6 990	35	0.892	0.60	922.6	1966	1993	TP/BS TVD, AS WELL CD/16-21-020-08W4M
								1966	1993	RENENER CRESTAR GPP
6.05	0.259	0.75	10 260	35	0.837	0.59	952.3	1977	1990	NONCOMMERCIAL OIL
1.54	0.241	0.50	3 040	18	0.939	0.57	322.8	1949	1991	KANNGAZ SASKEN CWNGNUL CNWE DIRECT NCMI PANALTA AMOCO NORCEN CENTRA POCO PROGAS TCPL TRWENR ULSTER PART OF VIK POOL NO.6
3.90	0.292	0.70	2 550	13	0.945	0.57	319.9	1973	1990	SASKEN DIRECT PANALTA PRODUCTION DECLINE
3.98	0.303	0.80	2 420	16	0.953	0.57	374.5	1978	1990	PANALTA
3.65	0.290	0.65	2 590	19	0.948	0.56	336.4	1971	1989	PRODUCTION DECLINE
2.30	0.304	0.60	2 590	19	0.947	0.57	350.1	1971	1989	PRODUCTION DECLINE
								1971	1992	CENTRA PANALTA PROGAS TCPL
2.06	0.316	0.60	2 620	14	0.946	0.56	339.5	1971	1991	
3.96	0.300	0.85	2 590	18	0.948	0.56	320.5	1977	1991	
								1971	1991	SASKEN KANNGAZ PANALTA PROGAS TCPL
2.09	0.301	0.75	3 340	23	0.938	0.56	450.1	1974	1986	SASKEN KANNGAZ PANALTA PRODUCTION DECLINE
4.96	0.339	0.55	3 100	16	0.938	0.56	437.6	1967	1987	
2.49	0.270	0.50	3 050	16	0.939	0.56	420.9	1976	1987	
								1967	1987	TCPL CNWE
2.44	0.080	0.85	26 100	104	0.926	0.73	2 899.0	1969	1987	
2.92	0.080	0.80	24 210	108	0.940	0.65	2 934.9	1969	1993	
1.95	0.077	0.85	26 100	113	0.959	0.65	2 933.1	1969	1993	
								1969	1993	TCPL ESSO
4.52	0.145	0.80	30 430	96	0.962	0.67	2 727.3	1971	1993	WESTGAS UNOCAL ESSO PANALTA HOME PRODUCTION DECLINE
12.50	0.140	0.75	26 400	110	0.954	0.65	3 055.5	1988	1990	
4.02	0.219	0.55	8 700	32	0.882	0.68	1 015.5	1985	1990	TARRAGN EMI KANNGAZ
8.40	0.283	0.80	9 650	48	0.874	0.58	1 040.6	1985	1987	WESTGAS PROGAS NONCOMMERCIAL OIL
3.29	0.262	0.65	9 960	35	0.853	0.57	1 040.2	1985	1990	TARRAGN KANNGAZ
3.35	0.249	0.65	10 100	29	0.840	0.58	996.1	1980	1988	CANOXY HUSKY PROGAS
2.65	0.296	0.65	9 060	35	0.864	0.58	924.9	1951	1992	TCPL RENENER KANNGAZ CANST

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
SUTTON 091-03W6									
GETH 092-03	686	0.80	0.05	522		522	37	19 565	2 162
BELLOY A	697	0.65	0.05	430	197	233	36	8 470	2 813
OTHER	89			55		55		2 009	
TOTAL-SUTTON	1 472			1 007	197	810		30 044	
SWALWELL 029-24W4									
VIKING A	1 081	0.80	0.10	779	712	67	39	2 616	4 396
PEKISKO A SOLN	120	0.60	0.10	65b			40		
PEKISKO A ASSOC	457	0.70	0.10	288b	314b	39	40	1 560	1 680
OTHER	2 220			1 298	463	835		31 364	
TOTAL-SWALWELL	3 878			2 430	1 489	941		35 540	
SWAN HILLS 068-10W5									
BEAVERHILL LAKE C SOLN	7 601	0.33	0.60	1 003	500	503	41	20 573	
BEAVERHILL LAKE A ASSOC		0.70	0.35				42		
BEAVERHILL LAKE A SOLN	29 060	0.42	0.35	7 933b			42		
BEAVERHILL LAKE A&B TOTAL	29 060	0.40	0.35	7 933b	6 439b	1 494	42	63 196	
OTHER	210			125		125		4 805	
TOTAL-SWAN HILLS	36 871			9 061	6 939	2 122		88 574	
SWAN HILLS SOUTH 065-10W5									
BEAVERHILL LAKE A ASSOC		0.65	0.25				44		
BEAVERHILL LAKE A SOLN	15 232	0.65	0.35	6 436b			44		
BEAVERHILL LAKE A&B TOTAL	15 232	0.65	0.35	6 436b	6 356b	80	44	3 492	
OTHER	323			216		216		8 186	
TOTAL-SWAN HILLS SOUTH	15 555			6 652	6 356	296		11 678	
SWEETGRASS 001-15W4									
TOTAL-SWEETGRASS	24			16	16				
SWIMMING 052-06W4									
TOTAL-SWIMMING	617			427	106	321		11 761	
SYLVAN LAKE 037-03W5									
GLAUCONITIC A		0.85	0.10				40		4 877
LOWER MANNVILLE D	367	0.90	0.06	310			40		354
LOWER MANNVILLE O		0.85	0.10				40		200
SHUNDA A		0.85	0.10				40		242
GLC A,L MN D,O&SHUN A TOTAL	8 367	0.85	0.10	6 430	6 059	371	40	14 736	
GLAUCONITIC I	8	0.75	0.10	5			41		150
LOWER MANNVILLE X	67	0.75	0.10	45			39		300
LOWER MANNVILLE DD	2 533	0.80	0.12	1 783			40		3 714
BASAL QUARTZ A SOLN	577	0.75	0.40	260			40		
GLAUC & LMANN MU#1 TOTAL	3 185	0.80	0.15	2 093	625	1 468	40	58 295	
LOWER MANNVILLE A	1 474	0.85	0.09	1 140	962	178	39	6 999	950
LOWER MANNVILLE H	828	0.85	0.10	634	321	313	39	12 351	581
LOWER MANNVILLE M	462	0.75	0.10	312	120	192	39	7 572	393
OSTRACOD J	47	0.75	0.10	32			40		602
OSTRACOD K	1 120	0.80	0.10	806			40		4 359
OSTRACOD N	380	0.85	0.10	291			40		400
OSTRACOD O	15	0.75	0.10	10			40		128
LOWER MANNVILLE BB	317	0.85	0.10	242			40		612
DST JKNO & LMANN BB TOTAL	1 879	0.80	0.10	1 381	404	977	40	38 992	
JURASSIC A ASSOC	379	0.90	0.10	307b			39		440
JURASSIC A SOLN	432	0.65	0.15	239b			39		
JURASSIC A ASSOC	2	0.90	0.10	2b			39		12
JURASSIC A ASSOC	82	0.90	0.10	67b			39		152
JURASSIC A ASSOC	10	0.90	0.10	8b			39		42
JURASSIC A ASSOC	21	0.90	0.10	17b			39		40
JURASSIC A ASSOC	43	0.90	0.10	35b			39		51
JURASSIC A ASSOC	34	0.90	0.10	28b			39		64
JURASSIC A TOTAL	1 003	0.80	0.10	703b	342b	361	39	14 054	
JURASSIC Q	539	0.75	0.10	364	234	130	39	5 023	387
JURASSIC HH	1 178	0.90	0.10	954	903	51	40	2 022	379
ELKTON - SHUNDA A	1 615	0.86	0.10	1 250	1 250	< 1	40	-	1 723
ELKTON - SHUNDA B	1 379	0.87	0.10	1 080	976	104	40	4 145	983
ELKTON - SHUNDA D ASSOC	37	0.70	0.20	21b			44		25
ELKTON - SHUNDA D SOLN	1 248	0.60	0.20	599b			44		

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
5.73 1.73	0.215 0.150	0.45 0.60	5 640 5 300	35 29	0.910 0.910	0.56 0.59	771.8 755.7	1972 1972	1982 1993	PANALTA NORCEN POCO PANALTA AMOCO PRODUCTION DECLINE
1.99	0.148	0.55	8 070	52	0.863	0.66 0.66	1 396.8	1963 1963	1992 1989	TCPL CONTIN NORCEN PRODUCTION DECLINE TCPL NORCEN POCO PRODUCTION DECLINE CONCURRENT PRODUCTION
6.02	0.068	0.70	10 940	59	0.836	0.66	1 636.7	1963	1989	TCPL NORCEN POCO PRODUCTION DECLINE CONCURRENT PRODUCTION
						0.83 0.94 0.94		1958 1957 1957	1993 1993 1993	CWNGNUL PANALTA NORCEN DEEP CUT SL MU-BVHL LK A&B, GPP, DEEP CUT SL MU-BVHL LK A&B, GPP, DEEP CUT SL CWNGNUL NORCEN PANALTA AMERADA ALTROAN GARDNER GPP, DEEP CUT SL
						0.88 0.88		1959 1959 1959	1988 1988 1988	MU-BVHL LK A&B, DRY GAS BREAKTHRU, GPP MU-BVHL LK A&B, DRY GAS BREAKTHRU, GPP CWNGNUL GAS BREAKTHRU, GPP
7.92 4.24 3.66 3.19	0.125 0.130 0.120 0.090	0.75 0.70 0.75 0.75	16 780 16 620 8 550 16 780	70 63 64 70	0.818 0.791 0.858 0.818	0.72 0.74 0.71 0.71	2 113.6 2 119.2 2 119.3 2 092.4	1953 1960 1976 1953	1985 1981 1985 1985	MATERIAL BALANCE MATERIAL BALANCE MATERIAL BALANCE MATERIAL BALANCE DIRECT TCPL AMEAGLE
0.50 1.65 3.30	0.095 0.105 0.130	0.65 0.75 0.80	17 130 17 150 20 340	75 73 71	0.828 0.826 0.846	0.68 0.72 0.68 0.73	2 369.8 2 419.4 2 407.3	1988 1987 1963 1964	1988 1988 1993 1986	DEKALB PANALTA PANCDN PROGAS TCPL TCPL INVRNS PRODUCTION DECLINE TCPL KANNGAZ TCPL DIRECT NONCOMMERCIAL OIL
5.20 7.08 5.86 0.53 1.63 4.40 0.60 3.53	0.123 0.129 0.152 0.107 0.118 0.143 0.150 0.104	0.75 0.90 0.75 0.65 0.70 0.80 0.70 0.70	16 900 16 830 16 690 21 980 18 600 18 680 19 040 19 420	66 64 63 74 70 65 72 66	0.818 0.819 0.803 0.846 0.808 0.832 0.827 0.809	0.70 0.69 0.72 0.71 0.74 0.67 0.71 0.73	2 173.6 2 113.0 2 130.8 2 346.5 2 355.0 2 386.4 2 332.3 2 420.6	1962 1973 1970 1969 1969 1980 1972 1980 1969	1989 1979 1989 1989 1990 1988 1988 1990	ATCOR WESTGAS ESSO TCPL NORCEN DEKALB PANALTA PROGAS HOME CRESTAR CONCURRENT PRODUCTION CONCURRENT PRODUCTION
4.53 1.42 3.32 1.71 3.48 4.39 3.44	0.149 0.120 0.120 0.130 0.110 0.160 0.130	0.75 0.70 0.80 0.65 0.80 0.70 0.70	17 230 17 230 17 230 17 230 17 230 17 230 17 230	71 71 71 71 71 71 71	0.838 0.838 0.838 0.838 0.838 0.838 0.838	0.69 0.69 0.69 0.69 0.69 0.69 0.69	2 263.7 2 275.2 2 226.2 2 298.0 2 267.6 2 266.5 2 214.7	1962 1962 1962 1962 1962 1962 1962	1992 1992 1992 1992 1992 1992 1992	GULF INVRNS TCPL CONCURRENT PRODUCTION CNWE INVRNS PRODUCTION DECLINE TCPL PRODUCTION DECLINE TCPL CNWE PRODUCTION DECLINE MATERIAL BALANCE CONING G CAP, AS WELL 16-24-37-4W5.GPP CONING G CAP, AS WELL 16-24-37-4W5.GPP
2.04 5.81 5.19 12.59 3.90	0.125 0.110 0.093 0.135 0.220	0.65 0.75 0.75 0.75 0.90	16 650 16 920 16 910 17 030 17 440	70 66 69 71 70	0.824 0.801 0.809 0.817 0.764	0.72 0.74 0.73 0.72 0.81 0.81	2 115.1 2 171.4 2 169.4 2 146.4 2 268.6	1979 1953 1955 1973 1962 1962	1991 1992 1992 1990 1992 1992	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
SYLVAN LAKE 037-03W5 (CONTINUED)									
ELKTON - SHUNDA D ASSOC	38	0.75	0.20	23 ^b			44		50
ELKTON - SHUNDA D ASSOC	35	0.75	0.20	21 ^b			44		25
ELKTON - SHUNDA D TOTAL	1 358	0.60	0.20	664 ^b	431 ^b	233	44	10 140	
SHUNDA B	662	0.90	0.10	536		536	39	21 113	851
PEKISKO B SOLN	932	0.60	0.20	447 ^b			38		
PEKISKO B ASSOC	482	0.90	0.10	391 ^b	477 ^b	361	38	13 877	730
PEKISKO N	1 349	0.85	0.10	1 032	998	34	40	1 361	934
D-3 A SOLN	215	0.20	0.35	28 ^b			39		
D-3 A ASSOC	1 134	0.90	0.11	909 ^b	312 ^b	625	39	24 400	765
OTHER	14 067			8 867	2 307	6 560		261 231	
TOTAL-SYLVAN LAKE	42 108			29 215	16 721	12 494		496 311	
TABER 009-17W4									
TOTAL-TABER	535			365	93	272		9 787	
TABER NORTH 011-16W4									
TOTAL-TABER NORTH	332			96	42	54		1 966	
TABER SOUTH 007-16W4									
BOW ISLAND A	614	0.90	0.05	525	233	292	35	10 223	7 806
OTHER	549			379	98	281		9 903	
TOTAL-TABER SOUTH	1 163			904	331	573		20 126	
TANGENT 080-24W5									
TOTAL-TANGENT	3 461			2 315	707	1 608		60 584	
TANGHE 102-10W6									
TOTAL-TANGHE	111			74		74		2 693	
TAR (SA) 099-13W4									
TOTAL-TAR	52			32		32		1 206	
TATE (SA) 120-03W6									
TOTAL-TATE	76			49		49		1 865	
TAWATINAW 062-22W4									
TOTAL-TAWATINAW	83			28	26	2		75	
TEEPEE 073-03W6									
DOIG A	891	0.70	0.10	562	82	480	39	18 883	1 568
KISK 02-074-04	415	0.85	0.10	318		318	38	12 141	440
WABAMUN C	2 465	0.17	0.15	356	348	8	37	294	1 276
OTHER	734			503	133	370		14 398	
TOTAL-TEEPEE	4 505			1 739	563	1 176		45 716	
TELFORDVILLE (SA) 050-02W5									
TOTAL-TELFORDVILLE	407			281		281		11 018	
TEMPLETON 001-12W4									
TOTAL-TEMPLETON	275			191		191		7 013	
THERIEN 060-09W4									
UPPER MANNVILLE F	641	0.75	0.05	457	205	252	37	9 344	1 961
OTHER	2 008			1 117	362	755		27 865	
TOTAL-THERIEN	2 649			1 574	567	1 007		37 209	
THORHILD 059-21W4									
SECOND WHITE SPECKS A	485	0.80	0.05	369	319	50	36	1 809	10 833
OTHER	2 811			1 825	605	1 220		45 316	
TOTAL-THORHILD	3 296			2 194	924	1 270		47 125	
THORNBURY 078-13W4									
MCMURRAY G	646	0.70	0.05	429	427	2	37	75	1 104
MCMURRAY I	1 053	0.80	0.05	800	551	249	37	9 163	1 485
MCMURRAY M	693	0.75	0.05	494	354	140	37	5 204	613
OTHER	6 020			3 423	1 594	1 829		67 960	
TOTAL-THORNBURY	8 412			5 146	2 926	2 220		82 402	
THORSBY 049-01W5									
GLAUCONITIC A SOLN	464	0.65	0.15	257 ^b			41		

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
3.85	0.131	0.80	17 440	70	0.766	0.81	2 280.4	1962	1992	ASSIGNED WELL 16-24-037-04W5M PROGAS TCPL INVRNS CONING GAS CAP, GPP TCPL TCPL GULF CONCURRENT PRODUCTION TCPL GULF CONCURRENT PRODUCTION MATERIAL BALANCE TCPL CONCURRENT PRODUCTION TCPL CONCURRENT PRODUCTION
8.80	0.100	0.85	17 440	70	0.766	0.81	2 283.1	1962	1992	
6.53	0.091	0.75	16 890	66	0.812	0.72	2 188.1	1953	1991	
5.58	0.114	0.60	16 960	66	0.823	0.72	2 162.7	1953	1992	
11.42	0.073	0.70	17 070	71	0.807	0.74	2 189.9	1972	1989	
						0.80		1961	1992	
11.54	0.073	0.85	23 920	99	0.883	0.80	2 863.3	1961	1992	
1.92	0.202	0.55	3 610	24	0.938	0.59	697.2	1958	1993	SUNCOR CWNGNUL ALTROAN NORCEN CRESTAR
3.23	0.129	0.80	14 920	44	0.785	0.66	1 564.7	1972	1982	TCPL TCPL PRODUCTION DECLINE
2.78	0.250	0.70	18 320	50	0.832	0.63	1 926.1	1973	1973	
16.50	0.058	0.80	29 300	85	0.953	0.66	2 765.0	1972	1988	
5.55	0.300	0.65	2 690	21	0.949	0.56	365.2	1976	1993	CWNGNUL PANALTA PROGAS POCO WAINOCO
1.08	0.207	0.50	3 820	19	0.928	0.57	480.6	1963	1992	TARRAGN ESSO TCPL PANALTA POCO CANOR
8.08	0.327	0.70	1 910	25	0.965	0.55	469.6	1983	1988	TRWENR PRODUCTION DECLINE TRWENR POCO SHELL MATERIAL BALANCE TRWENR ATCOR PRODUCTION DECLINE
9.20	0.334	0.70	1 800	20	0.965	0.56	475.1	1984	1989	
6.17	0.321	0.70	1 750	25	0.968	0.56	461.0	1985	1993	
						0.69		1979	1992	PANCDN TCPL POCO SCEPTRE RIFE CONCURRENT PRODUCTION

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
THORSBY 049-01W5 (CONTINUED)									
GLAUCONITIC A ASSOC	487	0.85	0.10	373 ^b	236 ^b	394	41	16 044	815
GLAUCONITIC H ASSOC	1 282	0.80	0.10	923	262	661	40	26 618	1 691
GLAUCONITIC I	540	0.85	0.10	413	215	198	41	8 053	409
OTHER	2 182			1 355	343	1 012		39 848	
TOTAL-THORSBY	4 955			3 321	1 056	2 265		90 563	
THREE HILLS CREEK 035-25W4									
ELLERSLIE D	1 167	0.50	0.10	526	151	375	40	14 929	3 895
PEKISKO ASSOC	5 434	0.70	0.08	3 500	2 467	1 033	40	41 103	10 814
OTHER	2 490			1 450	445	1 005		36 852	
TOTAL-THREE HILLS CREEK	9 091			5 476	3 063	2 413		92 884	
THUNDER 060-06W5									
TOTAL-THUNDER	301			198		198		7 625	
TIELAND 067-04W5									
TOTAL-TIELAND	47			30		30		1 160	
TIMEU 063-03W5									
TOTAL-TIMEU	174			119		119		4 523	
TINDASTOLL 036-01W5									
PEK 22-036-01	448	0.75	0.10	302		302	39	11 823	440
OTHER	343			186	25	161		6 385	
TOTAL-TINDASTOLL	791			488	25	463		18 208	
TODD (SA) 009-02W5									
TOTAL-TODD	79			49		49		1 878	
TOFIELD 050-19W4									
TOTAL-TOFIELD	347			225	34	191		7 046	
TOLSTAD (SA) 069-04W6									
TOTAL-TOLSTAD	318			227		227		8 992	
TOMAHAWK 052-05W5									
TOTAL-TOMAHAWK	1 270			817	288	529		20 699	
TOMATO 072-23W4									
WABAMUN A	533	0.80	0.05	405	204	201	38	7 614	1 562
OTHER	485			303	155	148		5 555	
TOTAL-TOMATO	1 018			708	359	349		13 169	
TONY CREEK NORTH 064-21W5									
TOTAL-TONY CREEK NORTH	1 031			697	79	618		24 318	
TOOGA (SA) 116-10W6									
TOTAL-TOOGA	18			8		8		301	
TORRINGTON 032-27W4									
TOTAL-TORRINGTON	18			10		10		373	
TOUCHWOOD (SA) 068-09W4									
TOTAL-TOUCHWOOD	12			8		8		297	
TOWER CREEK (SA) 055-27W5									
GETH 33-055-27	651	0.90	0.05	557		557	37	20 798	150
TOTAL-TOWER CREEK	651			557		557		20 798	
TRACY (SA) 095-12W5									
TOTAL-TRACY	20			10		10		368	
TROCHU 033-21W4									
TOTAL-TROCHU	1 077			655	363	292		11 012	
TUCKER LAKE (SA) 064-05W4									
TOTAL-TUCKER LAKE	83			40		40		1 488	
TURIN 010-18W4									
TOTAL-TURIN	4 224			2 535	756	1 779		65 732	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
6.32	0.124	0.60	12 810	72	0.831	0.69	1 476.8	1979	1992	PANCDN TCPL POCO SCEPTRE RIFE CONCURRENT
7.08	0.139	0.65	11 600	62	0.831	0.68	1 398.6	1980	1993	PRODUCTION
10.43	0.136	0.75	12 490	72	0.829	0.70	1 462.2	1985	1991	SUNCOR
										PANCDN TCPL SUNCOR
1.77	0.172	0.80	11 740	60	0.815	0.71	1 758.3	1981	1993	PANALTA ATCOR CNRL
9.89	0.052	0.60	11 840	70	0.828	0.73	1 748.6	1953	1990	TCPL PROGAS MATERIAL BALANCE CONCURRENT
										PRODUCTION, OIL DEPLETED
8.02	0.097	0.75	16 550	63	0.803	0.72	2 070.8	1970	1983	PANALTA POCO
6.55	0.220	0.75	3 070	22	0.938	0.58	605.4	1972	1991	TCPL CNRL PROGAS RIFE CANST
15.50	0.120	0.80	48 760	131	1.177	0.57	3 584.8	1985	1990	BER

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
TURNER VALLEY 020-03W5 RUNDLE SOLN	38 429	0.55	0.56	9 300 ^b			40		
RUNDLE ASSOC	40 844	0.90	0.68	11 763 ^b	19 940 ^b	1 123	40	45 448	10 463
RUNDLE C	990	0.80	0.20	634	243	391	39	15 441	200
RUND 32-021-03	438	0.85	0.10	335		335	40	13 460	400
OTHER	1 257			753	448	305		12 373	
TOTAL-TURNER VALLEY	81 958			22 785	20 631	2 154		86 722	
TWEEDIE 069-13W4 VIKING B	711	0.65	0.05	439	401	38	37	1 398	7 201
GRAND RAPIDS D	1 447	0.70	0.05	962	872	90	37	3 335	7 054
GRAND RAPIDS H	383	0.70	0.05	255			37		1 008
GRAND RAPIDS I	50	0.75	0.05	36			37		200
GRAND RAPIDS X	42	0.60	0.05	24			37		200
MCMURRAY A		0.80	0.05				36		1 729
MCMURRAY H		0.80	0.05				37		1 611
MCMURRAY L		0.80	0.05				37		26 821
MCMURRAY T	30	0.60	0.05	17			37		200
GR H.I.X & MCM A.H.L&T TOTAL	3 703	0.80	0.05	2 762	2 705	57	37	2 103	
GROSMONT A	1 909	0.50	0.05	907	841	66	37	2 436	10 404
OTHER	2 924			1 772	750	1 022		37 915	
TOTAL-TWEEDIE	10 694			6 842	5 569	1 273		47 187	
TWINING 031-24W4 VIKING A	559	0.80	0.10	402	232	170	39	6 659	4 404
LOWER MANNVILLE A ASSOC	418	0.75	0.10	283 ^b			40		1 714
RUNDLE A ASSOC	8 000	0.75	0.10	5 400 ^b			40		26 342
RUNDLE A SOLN	7 227	0.70	0.15	4 300 ^b			40		
RUNDLE A ASSOC	1 426	0.75	0.10	963 ^b			40		2 360
RUNDLE A	59	0.70	0.10	37 ^b			39		200
L MANN A & RUNDLE A TOTAL	17 130	0.75	0.10	10 983 ^b	5 587 ^b	5 396	40	215 031	
OTHER	5 715			3 205	1 322	1 883		72 920	
TOTAL-TWINING	23 404			14 590	7 141	7 449		294 610	
TWO CREEK (SA) 063-16W5 TOTAL-TWO CREEK	676			482		482		19 004	
UKALTA 057-17W4 COLONY F	552	0.80	0.05	420	163	257	38	9 691	2 514
WABAMUN-GRAMINIA A	880	0.75	0.05	627	587	40	37	1 486	2 833
OTHER	3 765			2 345	693	1 652		61 776	
TOTAL-UKALTA	5 197			3 392	1 443	1 949		72 953	
UNWIN 045-02W4 TOTAL-UNWIN	257			172		172		6 325	
UTIKUMA LAKE 081-09W5 KEG RIVER SS A SOLN	1 300	0.70	0.32	619	357	262	36	9 550	
OTHER	1 139			587	156	431		15 997	
TOTAL-UTIKUMA LAKE	2 439			1 206	513	693		25 547	
VALHALLA 075-10W6 DOE CREEK I ASSOC	59	0.60	0.10	32 ^b			39		578
DOE CREEK I SOLN	853	0.54	0.10	415 ^b			39		
DOE CREEK I TOTAL	912	0.55	0.10	447 ^b	27 ^b	420	39	16 237	
DOE CREEK A	3 948	0.80	0.05	3 000			40		25 292
DOE CREEK P	17	0.65	0.05	10			35		200
DOE CREEK A & P TOTAL	3 965	0.80	0.05	3 010	1 935	1 075	40	42 473	
PADDY C	865	0.70	0.05	576	316	260	37	9 607	1 271
BLUESKY C	1 108	0.85	0.05	895	630	265	39	10 393	3 088
HALFWAY C SOLN	275	0.65	0.45	98 ^b			41		
HALFWAY C ASSOC	406	0.90	0.15	310 ^b	119 ^b	289	41	11 962	487
HALFWAY A	1 028	0.75	0.10	694		694	38	26 670	1 934

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
46.00	0.060	0.75	15 700	45	0.723	0.80	1 478.7	1917	1993	PANALTA NORCEN PRODUCTION DECLINE DEEP CUT SL, GPP
28.90	0.080	0.85	29 270	84	0.926	0.80	3 350.2	1917	1993	PANALTA NORCEN PRODUCTION DECLINE DEEP CUT SL, GPP
9.10	0.070	0.75	26 140	84	0.908	0.67	2 997.0	1983	1989	TOP/BASE TVD
								1972	1989	TCPL PANCDN
1.10	0.242	0.60	2 360	18	0.954	0.56	233.3	1949	1985	TCPL MATERIAL BALANCE
2.28	0.318	0.60	2 220	19	0.955	0.57	281.6	1961	1991	ESSO TCPL PRODUCTION DECLINE
1.61	0.305	0.60	2 220	19	0.956	0.56	319.6	1970	1976	MATERIAL BALANCE
2.44	0.300	0.65	2 220	19	0.956	0.56	315.8	1971	1990	MATERIAL BALANCE
2.70	0.300	0.65	2 220	19	0.956	0.56	309.6	1975	1990	PRODUCTION DECLINE
1.92	0.261	0.55	2 380	22	0.956	0.58	464.5	1970	1992	PRODUCTION DECLINE
2.22	0.259	0.45	2 400	24	0.955	0.57	430.4	1961	1992	PRODUCTION DECLINE
2.39	0.249	0.45	2 440	22	0.954	0.56	443.9	1952	1991	PRODUCTION DECLINE
3.70	0.270	0.70	2 120	20	0.959	0.56	477.6	1971	1991	
7.91	0.110	0.40	2 480	19	0.951	0.57	472.2	1952	1992	TCPL PROGAS HOME ESSO AMOCO
								1961	1991	ESSO TCPL MATERIAL BALANCE
1.53	0.160	0.60	8 230	45	0.852	0.65	1 423.5	1965	1990	TCPL AMERADA NORCEN
1.65	0.160	0.80	11 260	60	0.832	0.67	1 625.9	1962	1990	
7.60	0.058	0.60	11 410	63	0.841	0.66	1 626.0	1952	1988	CONCURRENT PRODUCTION
9.66	0.078	0.75	10 320	58	0.829	0.69	1 650.9	1952	1988	CONCURRENT PRODUCTION
6.00	0.060	0.70	11 430	61	0.832	0.70	1 685.6	1952	1993	ASSIGNED WELL 06-27-033-25W4M
								1952	1992	WEBEX CAN88IT AMEAGLE CANST AMERADA
										KANNGAZ NORCEN PANCDN PROGAS TCPL GARDNER
										CONCURRENT PRODUCTION
2.91	0.281	0.55	4 530	19	0.903	0.60	560.5	1979	1983	TCPL HOME NORCEN PANCDN
10.00	0.290	0.40	4 140	27	0.926	0.56	656.2	1968	1985	TCPL PANCDN PRODUCTION DECLINE
						0.84		1963	1993	POCO TCPL
1.44	0.250	0.65	4 210	28	0.908	0.63	696.8	1977	1991	GPP PENDING
						0.63		1977	1991	GPP PENDING
								1977	1993	TARRAGN ESSO PCI PROGAS CWNGNUL KANNGAZ
2.31	0.213	0.65	4 260	27	0.900	0.65	703.5	1956	1989	HOME NORCEN BVI AEL CIMRON CRESTAR GPP
1.20	0.220	0.70	4 520	31	0.924	0.61	681.3	1980	1988	PENDING
								1956	1989	MATERIAL BALANCE NONCOMMERCIAL OIL
2.29	0.210	0.65	6 100	49	0.913	0.61	1 112.6	1982	1991	WESTGAS CANST CWNGNUL AMOCO ESSO PANALTA
3.44	0.132	0.60	11 640	59	0.851	0.64	1 608.0	1976	1993	PROGAS TCPL HOME DEKALB INVRNS PCI CRESTAR
						0.84		1980	1992	ESSO PANALTA SASKOIL KANNGAZ BVI MATERIAL
										BALANCE
3.22	0.154	0.85	19 210	80	0.783	0.84	1 969.7	1980	1992	ESSO PANALTA MATERIAL BALANCE
4.50	0.085	0.70	21 710	75	0.894	0.61	2 141.5	1973	1988	CANST ESSO PCI PROGAS TCPL CONCURRENT
										PRODUCTION
										CANST ESSO PCI PROGAS TCPL CONCURRENT
										PRODUCTION
										ESSO PANALTA PROGAS CRESTAR

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
VALHALLA 075-10W6 (CONTINUED) HALFWAY B	6 331	C	C	4 572	365	4 207	40a	168 280	6 626
OTHER	9 215			5 880	1 299	4 581		179 726	
TOTAL-VALHALLA	24 105			16 482	4 691	11 791		465 348	
VALLEYVIEW 070-21W5 TOTAL-VALLEYVIEW	96			64		64		2 470	
VARDIE (SA) 115-09W6 TOTAL-VARDIE	19			13		13		490	
VAUXHALL 012-17W4 UPPER MANNVILLE B	444	0.90	0.15	340	249	91	38	3 433	300
OTHER	370			275	61	214		7 826	
TOTAL-VAUXHALL	814			615	310	305		11 259	
VEGA 061-03W5 TOTAL-VEGA	241			156	6	150		5 764	
VENTRE (SA) 009-04W4 TOTAL-VENTRE	43			29		29		1 034	
VENUS 101-09W6 DEBOLT A	531	0.70	0.05	353	351	2	37	73	5 060
TOTAL-VENUS	531			353	351	2		73	
VERGER 022-15W4 MILK RIVER A	6 977	0.70	0.05	4 640			36		73 341
MEDICINE HAT A	7 866	0.70	0.03	5 341			36		65 589
MEDICINE HAT C	276	0.50	0.03	134			36		9 851
MEDICINE HAT D	442	0.50	0.03	214			36		13 495
SECOND WHITE SPECKS A	3 937	0.75	0.05	2 805			36		32 636
SE ALTA GAS SYS(MU) TOTAL	19 498	0.70	0.05	13 134	4 559	8 575	36	312 730	
BASAL COLORADO A	576	0.85	0.05	466	427	39	37	1 448	2 866
MANNVILLE D ASSOC	428	0.75	0.05	305	27	278	38	10 495	886
OTHER	2 438			1 673	744	929		34 694	
TOTAL-VERGER	22 940			15 578	5 757	9 821		359 367	
VERMILION 050-05W4 TOTAL-VERMILION	523			344	107	237		8 617	
VIKING-KINSELLA 047-10W4 UPPER&MIDDLE VIKING A		0.85	0.03				36		212 613
UPPER MANNVILLE YY		0.85	0.03				37		1 667
U&M VIK A & U MANN YY TOTAL	35 172	0.85	0.05	29 000	19 553	9 447	37	346 421	
UPPER MANNVILLE D	608	0.75	0.05	433	356	77	37	2 811	712
UPPER MANNVILLE EE	1 220	0.80	0.05	927	849	78	36	2 812	587
UPPER MANNVILLE MMM	1 045	0.75	0.05	745	524	221	37	8 166	3 348
COLONY NN	922	0.85	0.05	745	572	173	36	6 252	4 573
COLONY SSS	612	0.70	0.05	407	352	55	36	1 993	150
WAINWRIGHT	683	0.70	0.05	454	443	11	37	405	1 710
WABAMUN C	650	0.80	0.05	494	425	69	37	2 554	1 793
D-2 D	1 354	0.70	0.05	901	739	162	37	6 067	2 902
OTHER	16 869			10 571	5 886	4 685		173 760	
TOTAL-VIKING-KINSELLA	59 135			44 677	29 699	14 978		551 241	
VIOLET (SA) 079-02W4 TOTAL-VIOLET	3			2		2		72	
VIRGINIA HILLS 064-13W5 BELLOY A SOLN	676	0.45	0.25	228b			39		
BELLOY A ASSOC	1 867	0.92	0.15	1 460b	1 092b	596	39	23 381	2 303

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
3.77	0.134	0.85	21 360	73	0.789	0.85	2 020.9	1978	1992	TCPL CIMRON PANALTA ESSO AMOCO AEC HOME PART OF HALFWAY POOL NO.1 GAS CYCLING
10.03	0.224	0.70	11 360	31	0.792	0.70	1 060.4	1979	1993	PROGAS PRODUCTION DECLINE OIL DEPLETED
3.94	0.141	0.35	5 590	47	0.921	0.59	889.7	1981	1989	
5.76	0.154	0.55	3 140	16	0.937	0.56	406.8	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
2.78	0.170	0.55	4 310	17	0.916	0.57	496.9	1904	1993	PART OF MED HAT POOL NO.1
0.71	0.139	0.60	4 450	19	0.916	0.56	484.6	1973	1988	PART OF MED HAT POOL NO.3
0.83	0.139	0.60	4 450	19	0.916	0.57	516.3	1973	1993	PART OF MED HAT POOL NO.4
1.56	0.216	0.60	5 690	27	0.904	0.57	683.5	1944	1993	PART OF 2WS POOL NO.1
0.85	0.181	0.55	8 450	30	0.856	0.60	946.6	1959	1986	CNG TCPL PANALTA ESSO KANNGAZ PANCDN NORCEN POCO CRESTAR
3.68	0.191	0.60	10 410	35	0.839	0.60	1 048.4	1970	1993	TCPL PANALTA PANCDN PRODUCTION DECLINE CNG NORCEN PANCDN CONCURRENT PRODUCTION, OIL DEPLETED
1.41	0.199	0.50	5 580	24	0.894	0.61	631.0	1917	1984	PART OF VIK POOL NO.2 MATERIAL BALANCE NONCOMMERCIAL OIL
1.80	0.340	0.55	5 580	26	0.898	0.58	700.0	1965 1917	1982 1983	PART OF VIK POOL NO.2 MATERIAL BALANCE TARRAGN ESSO TCPL CWNGNUL NCMI PANALTA SCEPTRE PANCDN NORCEN POCO PART OF VIK POOL NO.2
2.78	0.300	0.60	4 920	27	0.912	0.59	739.4	1973	1986	TCPL CWNGNUL MATERIAL BALANCE
2.81	0.233	0.65	4 610	23	0.914	0.59	724.5	1955	1989	TCPL CWNGNUL MATERIAL BALANCE
2.97	0.299	0.60	5 470	23	0.897	0.58	759.7	1949	1992	TCPL
2.19	0.287	0.60	3 980	27	0.930	0.59	592.9	1976	1993	CWNGNUL HUSKY PANALTA NORCEN PRODUCTION DECLINE
11.58	0.280	0.90	4 250	21	0.920	0.58	593.8	1977	1989	CWNGNUL NORCEN MATERIAL BALANCE
4.08	0.267	0.65	5 220	23	0.902	0.58	699.6	1955	1986	TCPL CWNGNUL MATERIAL BALANCE
3.21	0.170	0.70	5 220	32	0.914	0.57	813.0	1974	1992	TCPL CWNGNUL PRODUCTION DECLINE
4.38	0.117	0.65	4 670	34	0.923	0.57	733.5	1960	1990	TCPL CWNGNUL PRODUCTION DECLINE
3.27	0.178	0.75	13 440	77	0.859	0.70	1 884.0	1961	1991	CWNGNUL MATERIAL BALANCE CONCURRENT PRODUCTION
						0.70		1961	1991	CWNGNUL MATERIAL BALANCE CONCURRENT PRODUCTION

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
VIRGINIA HILLS 064-13W5 (CONTINUED)									
BEAVERHILL LAKE SOLN	8 385	0.40	0.28	2 415 ^b			43		
BEAVERHILL LAKE ASSOC		0.60	0.20		1 177 ^b	1 238	43	53 432	
OTHER	518			347	13	334		12 966	
TOTAL-VIRGINIA HILLS	11 446			4 450	2 282	2 168		89 779	
VIRGO 115-06W6									
TOTAL-VIRGO	4 549			2 368	318	2 050		79 099	
VOYAGER 045-17W5									
TOTAL-VOYAGER	162			104		104		3 990	
VULCAN 016-24W4									
TURNER VALLEY C	1 094	0.60	0.20	526	198	328	38	12 612	1 482
OTHER	682			459	316	143		5 606	
TOTAL-VULCAN	1 776			985	514	471		18 218	
WABASCA (SA) 085-24W4									
TOTAL-WABASCA	14			7		7		258	
WAINWRIGHT 045-06W4									
VIKING	1 962	0.50	0.05	932			37		27 242
COLONY G	58	0.75	0.05	42			36		641
COLONY R	122	0.75	0.05	87			35		970
COLONY R	57	0.75	0.05	41			35		401
COLONY V ASSOC	3	0.70	0.05	2			36		96
COLONY W ASSOC	1	0.75	0.05	1			36		52
VIK & COL G,R,V,W&EE TOTAL	2 203	0.55	0.05	1 105	597	508	37	18 705	
COLONY	369	0.90	0.05	315	144	171	35	6 057	1 851
SPARKY E	805	0.75	0.05	574	462	112	35	3 880	1 730
OTHER	6 371			3 381	1 378	2 003		71 224	
TOTAL-WAINWRIGHT	9 748			5 375	2 581	2 794		99 866	
WANYANDIE 060-27W5									
CARD SD 03-060-01	664	0.75	0.10	448		448	39	17 642	200
OTHER	912			617		617		24 676	
TOTAL-WANYANDIE	1 576			1 065		1 065		42 318	
WAPITI 067-10W6									
CARDIUM A SOLN	1 338	0.65	0.15	740			39		
CARDIUM A & B TOTAL	1 338	0.65	0.15	740	16	724	39	28 026	
CADOTTE A	871	0.85	0.10	666	638	28	38	1 068	2 112
CADOTTE B	156	0.75	0.15	99			39		200
CADOMIN A	6 184	0.70	0.15	3 680			38		22 758
CADOTTE B & CADOMIN A TOTAL	6 340	0.70	0.15	3 779	13	3 766	38	143 598	
NOTIKEWIN H	667	0.75	0.15	425	248	177	39	6 983	250
NOTIKEWIN J	553	0.75	0.15	353	169	184	39	7 202	250
FALHER D-1	3 442	0.85	0.05	2 780			38		9 431
GETHING C	193	0.75	0.10	131			37		150
FALHER D-1 & GETH C TOTAL	3 635	0.85	0.05	2 911	2 367	544	38	20 509	
FALHER A-1	507	0.70	0.15	302	281	21	40	836	250
FALHER A-5	597	0.75	0.15	381	204	177	39	6 930	500
FALHER C-1	1 556	0.90	0.15	1 190	1 102	88	40	3 498	1 885
FALHER C-2	679	0.90	0.15	519	510	9	38	339	500
FALHER C-3	820	0.80	0.15	558	558	< 1	39	-	250
FALHER C-4	448	0.85	0.15	324	286	38	39	1 489	689
FALHER E-1	2 084	0.90	0.15	1 595	1 445	150	39	5 910	724
FALHER F-1	4 655	0.90	0.10	3 771	3 592	179	39	7 035	3 561
CADOMIN B	600	0.75	0.05	428	358	70	36	2 537	150

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
						0.88		1957	1993	GARDNER ALTRDAN AMERADA DIRECT CWNGNUL DEEP CUT SL, GAS BREAKTHRU
						0.88		1957	1993	GARDNER ALTRDAN AMERADA DIRECT CWNGNUL DEEP CUT SL, GAS BREAKTHRU
6.37	0.101	0.60	16 820	64	0.830	0.75	1 833.8	1960	1979	TCPL
1.02 1.22 1.65 1.63 0.50 0.51	0.237 0.289 0.273 0.286 0.261 0.200	0.55 0.60 0.65 0.70 0.60 0.55	5 030 4 140 4 140 4 160 3 900 4 150	21 24 23 23 22 22	0.898 0.924 0.926 0.926 0.927 0.922	0.60 0.59 0.59 0.59 0.60 0.60	581.0 594.8 591.8 598.6 598.8 600.0	1942 1973 1973 1973 1967 1967	1993 1985 1993 1993 1993 1979	
3.35 2.03	0.250 0.308	0.60 0.70	3 870 4 220	25 22	0.931 0.925	0.59 0.60	624.1 615.7	1952 1956	1977 1993	CWNGNUL HUSKY PANALTA PCI TCPL ESSO CNRL HUSKY NCMI NONCOMMERCIAL OIL TCPL HUSKY PANALTA PRODUCTION DECLINE
10.70	0.200	0.89	19 610	92	0.877	0.68	2 291.1	1980	1980	
						0.66		1987 1987	1992 1992	DEEP CUT SL NORCEN HOME DEEP CUT SL
5.32	0.057	0.65	19 990	84	0.899	0.61	2 403.3	1980	1992	TCPL PANALTA AMOCO NORCEN PRODUCTION DECLINE DEEP CUT SL
5.70 4.08	0.100 0.052	0.80 0.70	19 790 21 170	93 93	0.899 0.899	0.63 0.67	2 327.1 2 796.9	1982 1979 1979	1988 1991 1993	DEEP CUT SL DEEP CUT SL TCPL PROGAS PANALTA NORCEN HOME DEEP CUT SL
7.00 9.50 3.53 8.90	0.100 0.080 0.081 0.100	0.75 0.65 0.70 0.75	19 730 19 200 21 040 23 960	74 78 86 100	0.861 0.870 0.914 0.948	0.65 0.65 0.60 0.59	2 226.8 2 264.7 2 478.2 2 759.8	1991 1992 1979 1980	1993 1993 1991 1987	PROGAS PANALTA NORCEN HOME PRODUCTION DECLINE DEEP CUT SL PRODUCTION DECLINE DEEP CUT SL DEEP CUT SL
4.60 4.65	0.067 0.085	0.60 0.70	13 900 15 280	87 77	0.879 0.864	0.64 0.65	2 162.1 2 159.4	1980 1992	1992 1993	HOME TCPL PANALTA PROGAS NORCEN PRODUCTION DECLINE DEEP CUT SL TCPL PROGAS PANALTA NORCEN HOME PRODUCTION DECLINE DEEP CUT SL
5.21 6.40	0.125 0.089	0.75 0.65	20 700 16 940	85 78	0.874 0.867	0.68 0.68	2 384.5 2 250.8	1978 1980	1992 1990	HOME TCPL PANALTA PROGAS NORCEN PRODUCTION DECLINE DEEP CUT SL HOME TCPL PANALTA PROGAS NORCEN PRODUCTION DECLINE DEEP CUT SL
16.60 4.80 1.76	0.060 0.087 0.095	0.60 0.70 0.80	22 750 20 630 28 400	94 85 98	0.911 0.882 0.956	0.64 0.66 0.63	2 336.2 2 508.8 2 360.9	1979 1979 1981	1991 1993 1992	HOME TCPL PANALTA PROGAS NORCEN PRODUCTION DECLINE DEEP CUT SL TCPL PANALTA PRODUCTION DECLINE DEEP CUT SL PANALTA PROGAS NORCEN MATERIAL BALANCE DEEP CUT SL
4.87 4.60	0.104 0.130	0.75 0.75	31 400 21 770	87 65	0.971 0.901	0.63 0.59	2 516.1 2 389.3	1978 1980	1992 1989	HOME PANALTA PROGAS NORCEN SCEPTRE MATERIAL BALANCE DEEP CUT SL TCPL PRODUCTION DECLINE DEEP CUT SL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
WAPITI 067-10W6 (CONTINUED)									
CADOMIN C	867	0.70	0.15	516	1	515	38	19 627	3 545
CADOMIN D	868	0.70	0.15	517	1	516	38	19 665	5 273
CADM 10-066-07	810	0.85	0.20	551		551	41	22 690	150
NIKA 30-066-10	793	0.75	0.10	536		536	37	19 837	200
NIKA 29-067-08	445	0.85	0.05	359		359	36	12 885	200
PM-PN SYS 26-066-07	575	0.75	0.20	345		345	38	12 962	440
BELL 33-067-07	423	0.80	0.10	304		304	39	11 725	200
OTHER	13 380			8 579	1 266	7 313		284 171	
TOTAL-WAPITI	43 511			29 649	13 055	16 594		639 522	
WAPPAU (SA) 074-11W4									
TOTAL-WAPPAU	22			15		15		558	
WARRENSVILLE (SA) 084-24W5									
TOTAL-WARRENSVILLE	257			176		176		6 702	
WARSPITE 060-18W4									
TOTAL-WARSPITE	788			530	318	212		7 908	
WARWICK 052-14W4									
UPPER MANNVILLE G	747	0.75	0.05	532	489	43	37	1 607	1 655
UPPER MANNVILLE K	996	0.75	0.05	710	710	< 1	37	-	538
UPPER MANNVILLE M	667	0.70	0.05	444	372	72	37	2 658	1 782
UPPER MANNVILLE D	399	0.75	0.05	284			37		1 662
UPPER MANNVILLE NNN	52	0.65	0.05	32			37		924
UPPER MANNVILLE D&NNN TOTAL	451	0.75	0.05	316	273	43	37	1 597	
UPPER MANNVILLE MMM	535	0.70	0.05	356	206	150	37	5 571	365
OTHER	9 990			6 626	3 657	2 969		110 354	
TOTAL-WARWICK	13 386			8 984	5 707	3 277		121 787	
WASKAHIGAN 064-23W5									
DUNVEGAN A SOLN	228	0.60	0.10	123 ^b			40		
DUNVEGAN A ASSOC	403	0.90	0.10	327 ^b	130 ^b	320	40	12 902	744
DUNVEGAN C SOLN	46	0.65	0.10	27 ^b			40		
DUNVEGAN C ASSOC	1 263	0.80	0.10	909 ^b	836 ^b	100	40	4 000	2 341
DUNVEGAN B	1 621	0.85	0.10	1 240	908	332	40	13 403	2 140
PEACE RIVER B	616	0.80	0.10	444	167	277	40	11 152	400
OTHER	1 741			1 187	60	1 127		44 528	
TOTAL-WASKAHIGAN	5 918			4 257	2 101	2 156		85 985	
WATCH 054-22W5									
TOTAL-WATCH	181			131		131		5 109	
WATELET 047-26W4									
TOTAL-WATELET	579			364	112	252		9 792	
WATERTON 004-01W5									
RUNDLE C	8 726	0.50	0.45	2 400	628	1 772	38	66 592	1 665
RUNDLE K	670	0.80	0.35	348	43	305	39	11 813	200
RUNDLE M	5 630	0.70	0.15	3 350	1 163	2 187	38	83 434	1 317
RUNDLE D		0.75	0.52				39		2 869
RUNDLE E		0.75	0.52				39		100
RUNDLE D & E TOTAL	18 056	0.75	0.50	6 500	5 459	1 041	39	40 495	
RUNDLE A	1 400	0.60	0.35	546			39		380
RUNDLE L	112	0.60	0.35	44			39		128
RUNDLE J	13 529	0.85	0.40	6 900			39		2 178
RUNDLE A, L & J TOTAL	15 041	0.80	0.40	7 490	2 362	5 128	39	199 479	
RUND 15-003-30	1 351	0.90	0.30	851		851	39	33 266	200
RUND * 30-004-01	988	0.80	0.30	553		553	39	21 429	200
RUNDLE-WABAMUN A	79 529	C	C	49 300	45 434	3 866	39a	151 741	5 157
WABAMUN B	924	0.85	0.28	565	304	261	37	9 592	386
WAB 31-006-03	896	0.85	0.20	610		610	37	22 698	512
PALL 03-006-03	868	0.65	0.20	451		451	37	16 601	200
WAB 09-006-03	647	0.90	0.25	437		437	37	16 068	200
WAB 20-006-03	585	0.80	0.20	374		374	37	13 909	200
OTHER	778			547	10	537		21 294	
TOTAL-WATERTON	134 689			73 776	55 403	18 373		708 411	
WATTS 031-16W4									
BANFF D SOLN	50	0.65	0.15	28 ^b			42		
BANFF D ASSOC	423	0.85	0.15	306 ^b	250 ^b	84	42	3 535	949

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
3.85	0.057	0.65	20 090	97	0.901	0.67	2 897.6	1980	1990	ESSO PANALTA TCPL NORCEN DEEP CUT SL
4.10	0.036	0.65	19 920	95	0.897	0.67	2 809.2	1979	1990	PANALTA TCPL DEEP CUT SL
15.85	0.230	0.80	22 400	111	0.896	0.73	2 822.5	1978	1989	DEEP CUT SL
19.30	0.110	0.85	25 000	77	0.924	0.60	2 914.0	1980	1984	DEEP CUT SL
11.40	0.110	0.80	24 700	69	0.927	0.58	2 606.1	1981	1984	HOME TCPL PANALTA PROGAS NORCEN DEEP CUT SL
6.70	0.120	0.75	29 800	125	0.982	0.65	3 191.3	1956	1982	PROGAS HOME NORCEN
16.00	0.135	0.55	22 930	117	0.939	0.68	2 956.3	1980	1981	TCPL
1.70	0.271	0.80	4 930	27	0.907	0.58	760.5	1970	1988	TCPL PRODUCTION DECLINE
6.85	0.301	0.75	4 760	30	0.917	0.57	701.6	1970	1985	PARAMNT TCPL MATERIAL BALANCE
2.85	0.238	0.65	4 700	34	0.923	0.58	749.7	1970	1989	TCPL PRODUCTION DECLINE
1.39	0.236	0.50	4 740	30	0.919	0.56	731.1	1970	1986	MATERIAL BALANCE
0.89	0.232	0.55	4 690	24	0.913	0.56	717.2	1980	1984	
								1970	1986	PARAMNT TCPL
2.41	0.240	0.70	4 610	27	0.917	0.57	701.2	1971	1987	TCPL MATERIAL BALANCE
4.97	0.165	0.65	10 240	63	0.852	0.65	1 544.1	1967	1988	CONCURRENT PRODUCTION
						0.65		1967	1988	CONCURRENT PRODUCTION
						0.65		1959	1991	PRODUCTION DECLINE CONCURRENT PRODUCTION
2.80	0.140	0.55	10 240	63	0.854	0.65	1 501.1	1959	1991	PRODUCTION DECLINE CONCURRENT PRODUCTION
2.51	0.150	0.65	10 360	64	0.846	0.67	1 595.4	1961	1992	MATERIAL BALANCE
2.45	0.150	0.70	12 380	64	0.846	0.64	1 810.6	1981	1989	NRTHSTR KANNGAZ MATERIAL BALANCE
34.85	0.054	0.85	38 590	86	0.933	0.83	3 489.8	1957	1988	DEEP CUT SL
24.40	0.054	0.85	34 270	86	0.908	0.86	3 631.6	1958	1989	
27.85	0.067	0.80	40 410	102	1.070	0.63	4 381.5	1981	1991	MOBIL PROGAS TOP/BASE TVD
28.99	0.043	0.80	34 300	80	0.834	0.95	3 532.2	1957	1988	MATERIAL BALANCE TOP/BASE TVD, DEEP CUT SL
37.50	0.050	0.80	34 300	80	0.834	0.95	3 277.4	1960	1988	MATERIAL BALANCE DEEP CUT SL
								1957	1988	SHELL DEEP CUT SL
13.10	0.061	0.85	29 170	71	0.847	0.85	2 882.1	1960	1989	MATERIAL BALANCE TOP/BASE TVD, DEEP CUT SL
5.40	0.070	0.80	31 890	80	0.889	0.85	3 063.6	1970	1989	TOP/BASE TVD, DEEP CUT SL
35.19	0.064	0.90	32 560	80	0.856	0.85	3 230.2	1960	1992	TOP/BASE TVD, DEEP CUT SL
								1960	1991	SHELL DEEP CUT SL
52.70	0.050	0.90	34 200	96	0.925	0.90	3 196.7	1987	1990	TOP/BASE TVD
42.30	0.050	0.90	30 950	101	0.907	0.82	3 486.3	1990	1990	TOP/BASE TVD
43.19	0.050	0.80	32 960	69	0.879	0.97	3 034.9	1959	1988	SHELL GAS CYCLING, TOP/BASE TVD
19.30	0.053	0.80	40 800	101	1.058	0.65	4 191.2	1958	1982	MATERIAL BALANCE
17.89	0.053	0.80	27 720	96	0.926	0.67	3 710.8	1964	1987	
38.30	0.050	0.80	35 210	83	0.993	0.65	3 438.5	1981	1983	
24.90	0.050	0.90	36 460	90	0.989	0.68	3 395.4	1988	1989	
27.00	0.050	0.80	36 090	105	1.002	0.67	3 662.5	1979	1989	
3.63	0.126	0.80	9 300	37	0.700	0.81	1 203.9	1984	1989	POCO ATCOR CONCURRENT PRODUCTION
						0.81		1984	1989	POCO ATCOR CONCURRENT PRODUCTION

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
WATTS 031-16W4 (CONTINUED)									
OTHER	2 223			1 376	621	755		29 287	
TOTAL-WATTS	2 696			1 710	871	839		32 822	
WAVY LAKE 043-14W4									
TOTAL-WAVY LAKE	923			602	133	469		17 428	
WAYNE-ROSEDALE 027-19W4									
BELLY RIVER A	554	0.90	0.05	474	454	20	37	735	1 785
BELLY RIVER J	35	0.65	0.05	22			37		250
BELLY RIVER K	534	0.60	0.05	304			37		3 512
BELLY RIVER X	7	0.50	0.05	4			37		128
BELLY RIVER J,K & X TOTAL	576	0.60	0.05	330	55	275	37	10 175	
BELLY RIVER S	444	0.80	0.05	337			37		2 886
BELLY RIVER EE	32	0.65	0.05	20			37		250
BELLY RIVER S & EE TOTAL	476	0.80	0.05	357	205	152	37	5 597	
MEDICINE HAT A	1 664	0.70	0.03	1 130			36		25 907
SE ALTA GAS SYS (MU) TOTAL	1 664	0.70	0.05	1 130		1 130	36	41 211	
VIKING A	4 848	0.92	0.05	4 237	3 482	755	39	29 249	28 662
VIKING B	676	0.90	0.10	547	438	109	39	4 222	3 280
BASAL COLORADO A	386	0.85	0.05	312	39	273	38	10 363	512
GLAUCONITIC A	1 155	0.90	0.10	936	903	33	40	1 305	1 625
GLAUCONITIC G	909	0.90	0.10	736	683	53	39	2 088	975
GLAUCONITIC T	397	0.85	0.10	303			39		2 219
GLAUCONITIC T	1 392	0.85	0.10	1 065			39		5 541
GLAUCONITIC T	31	0.75	0.10	21			39		300
GLAUCONITIC T	106	0.75	0.10	72			39		294
GLAUCONITIC T	173	0.75	0.10	117			39		251
GLAUCONITIC T	6	0.75	0.10	5			39		150
GLAUCONITIC T	10	0.75	0.10	7			39		150
GLAUCONITIC T	11	0.75	0.10	7			39		150
GLAUCONITIC T TOTAL	2 126	0.85	0.10	1 597	689	908	39	35 394	
OSTRACOD A	639	0.85	0.10	489	373	116	39	4 550	150
BASAL QUARTZ E SOLN	216	0.60	0.10	117 ^b			38		
BASAL QUARTZ E ASSOC	404	0.80	0.10	291 ^b	79 ^b	329	38	12 380	614
OTHER	11 948			5 918	3 085	2 833		109 787	
TOTAL-WAYNE-ROSEDALE	26 577			17 471	10 485	6 986		267 056	
WEALD 050-19W5									
CARD SD 23-050-19	586	0.85	0.10	448		448	40	18 023	400
OTHER	267			182		182		7 087	
TOTAL-WEALD	853			630		630		25 110	
WEASEL 058-19W4									
TOTAL-WEASEL	188			126		126		4 682	
WEASONE (SA) 062-09W5									
TOTAL-WEASONE	100			67		67		2 655	
WEBSTER 074-05W6									
LOWER MANNVILLE A	588	0.80	0.10	423	89	334	40	13 287	1 237
OTHER	853			611	292	319		12 330	
TOTAL-WEBSTER	1 441			1 034	381	653		25 617	
WELLBURN 009-18W4									
TOTAL-WELLBURN	48			27	27				
WEMBLEY 073-08W6									
HALFWAY B SOLN	4 209	0.65	0.30	1 915 ^b			40a		
HALFWAY B ASSOC	6 093	c	c	4 400 ^b	299 ^b	6 016	40a	240 640	6 508
DOIG E SOLN	456	0.65	0.25	222 ^b			41		
DOIG E ASSOC	1 691	0.80	0.15	1 150 ^b	504 ^b	868	41	35 918	1 558
OTHER	1 991			1 309	100	1 209		45 162	
TOTAL-WEMBLEY	14 440			8 996	903	8 093		321 720	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
2.96	0.192	0.50	6 130	22	0.890	0.56	645.8	1960	1988	CWNGNUL PANCDN MATERIAL BALANCE
4.00	0.260	0.45	2 900	18	0.943	0.56	505.0	1978	1988	
3.42	0.237	0.60	3 080	24	0.944	0.56	701.4	1977	1990	
1.30	0.240	0.60	2 850	23	0.947	0.56	649.7	1981	1984	
										TCPL
3.53	0.256	0.55	3 000	19	0.943	0.57	548.9	1966	1991	
3.00	0.250	0.60	2 710	15	0.945	0.56	424.5	1980	1988	
										TCPL PANCDN NORCEN PANALTA
1.36	0.170	0.55	4 310	17	0.916	0.56	836.1	1904	1987	PART OF MED HAT POOL NO.1
										TCPL PANCDN NORCEN PANALTA NOVER
2.02	0.163	0.60	7 940	38	0.848	0.63	1 191.1	1953	1993	DIRECT TCPL CWNGNUL PANALTA PANCDN NORCEN NOVER
2.87	0.164	0.55	8 070	38	0.849	0.64	1 211.0	1954	1982	TCPL MATERIAL BALANCE
7.15	0.185	0.60	8 730	35	0.849	0.61	1 154.3	1974	1978	TCPL
4.75	0.200	0.70	10 070	42	0.797	0.69	1 330.1	1953	1990	TCPL MATERIAL BALANCE
4.42	0.180	0.75	11 110	41	0.794	0.68	1 332.4	1957	1989	TCPL PRODUCTION DECLINE
1.79	0.171	0.55	9 670	40	0.827	0.65	1 314.7	1966	1992	
2.16	0.180	0.60	9 790	40	0.826	0.65	1 317.8	1966	1992	
1.10	0.155	0.55	9 700	39	0.814	0.67	1 323.4	1966	1992	
3.85	0.148	0.60	9 750	43	0.829	0.65	304.7	1966	1992	
6.93	0.155	0.60	9 750	42	0.824	0.66	268.3	1966	1992	
0.50	0.120	0.55	11 350	51	0.816	0.68	1 401.8	1966	1992	ASSIGNED WELL 08-20-026-18W4M
1.00	0.140	0.40	10 760	49	0.817	0.68	1 336.5	1966	1992	ASSIGNED WELL 07-32-026-18W4M
0.90	0.130	0.55	10 460	48	0.819	0.68	1 303.6	1966	1992	ASSIGNED WELL 06-10-027-18W4M
										TCPL NOVER PANCDN NORCEN
2.74	0.200	0.65	10 100	46	0.818	0.67	1 339.8	1962	1989	TCPL PRODUCTION DECLINE
										TCPL CRESTAR CONCURRENT PRODUCTION
5.64	0.151	0.65	10 340	38	0.796	0.70	1 341.5	1959	1990	TCPL CRESTAR CONCURRENT PRODUCTION
8.00	0.144	0.70	18 860	78	0.841	0.69	2 318.9	1974	1992	ESSO CHEL
4.18	0.144	0.55	14 690	75	0.836	0.70	1 661.4	1973	1992	TCPL
						0.85		1978	1990	ESSO AMOCO AEC PANALTA PROGAS HOME NRTHSTR
										PANCDN CRESTAR PART OF HALFWAY POOL NO.1
4.48	0.120	0.80	21 360	73	0.784	0.85	2 037.5	1978	1990	GAS CYCLING, DEEP CUT SL
										ESSO AMOCO AEC PANALTA PROGAS HOME NRTHSTR
										PANCDN CRESTAR PART OF HALFWAY POOL NO.1
										GAS CYCLING, DEEP CUT SL
8.11	0.080	0.80	21 550	75	0.842	0.71	2 116.4	1980	1989	PANALTA PROGAS ESSO CRESTAR CONCURRENT PRODUCTION, DEEP CUT SL
										PANALTA PROGAS ESSO CRESTAR CONCURRENT PRODUCTION, DEEP CUT SL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
WEST COVE 055-06W5									
PK C SH * 20-055-06	441	0.85	0.10	338		338	40	13 557	200
OTHER	471			312	2	310		12 257	
TOTAL-WEST COVE	912			650	2	648		25 814	
WEST DRUMHELLER 029-21W4									
D-2 A SOLN	1 205	0.65	0.65	274b			39		
D-2 A ASSOC	173	0.75	0.25	98b	220b	152	39	5 943	512
OTHER	228			94	5	89		3 478	
TOTAL-WEST DRUMHELLER	1 606			466	225	241		9 421	
WESTEROSE 046-28W4									
UPPER MANNVILLE B	3 250	0.80	0.10	2 340			40		4 550
LOWER MANNVILLE F	126	0.75	0.15	81			40		150
U MANN B & L MANN F TOTAL	3 376	0.80	0.10	2 421	1 676	745	40	29 569	
D-3 SOLN	5 146	0.71	0.15	3 106b			42a		
D-3 ASSOC	3 669	c	c	3 060b	2 784b	3 382	42a	141 097	466
OTHER	3 508			2 323	386	1 937		75 850	
TOTAL-WESTEROSE	15 699			10 910	4 846	6 064		246 516	
WESTEROSE SOUTH 044-01W5									
GLAUCONITIC E	441	0.85	0.10	338	54	284	39	11 079	498
GLAUCONITIC F	446	0.85	0.10	341		341	39	13 323	626
GLAUCONITIC A	6 099	0.90	0.10	4 940			40		6 618
GLAUCONITIC A	412	0.70	0.10	259			40		704
GLAUCONITIC A	529	0.70	0.10	333			40		1 081
GLAUCONITIC A	68	0.70	0.10	43			40		179
GLAUCONITIC A	1 731	0.70	0.10	1 091			40		2 197
GLAUCONITIC A	675	0.70	0.10	426			40		509
GLAUCONITIC A	4 000	0.90	0.10	3 240			40		2 651
GLAUCONITIC A	786	0.70	0.10	495			40		246
GLAUCONITIC A	643	0.70	0.10	405			40		733
GLAUCONITIC A	46	0.70	0.10	29			40		110
GLAUCONITIC A	590	0.70	0.10	372			40		1 073
GLAUCONITIC A	3 000	0.70	0.10	1 890			40		2 905
BASAL QUARTZ F	55	0.70	0.10	35			39		150
GLAUC A & BSL QTZ F TOTAL	18 634	0.80	0.10	13 558	8 641	4 917	40	194 271	
D-3 A	52 407	0.88	0.15	39 200	39 075	125	41	5 069	4 770
OTHER	3 514			2 340	186	2 154		83 937	
TOTAL-WESTEROSE SOUTH	75 442			55 777	47 956	7 821		307 679	
WESTLOCK 059-26W4									
VIKING U	400	0.85	0.04	326	66	260	38	9 914	5 538
VIKING		0.87	0.04				38		34 319
VIKING B		0.87	0.04				38		10 921
VIKING I		0.87	0.04				38		4 811
VIKING J		0.87	0.04				38		400
VIKING K		0.87	0.04				38		2 485
VIKING L		0.87	0.04				38		1 893
VIKING M		0.87	0.04				38		916
VIKING N		0.87	0.04				38		5 685
VIKING P		0.87	0.04				38		1 414
VIKING Q		0.87	0.04				38		200
VIK.VIK BIJLKMNP & Q TOTAL	13 170	0.85	0.05	11 000	10 481	519	38	19 800	
MIDDLE VIKING B	373	0.90	0.04	323	299	24	38	917	1 233
LOWER MANNVILLE B	1 043	0.75	0.10	704	470	234	39	9 161	2 109
OTHER	3 700			2 519	663	1 856		70 263	
TOTAL-WESTLOCK	18 686			14 872	11 979	2 893		110 055	
WESTPEM 049-13W5									
OSTRACOD L	891	0.90	0.15	682	48	634	43	27 554	944
ELRS 26-049-13	694	0.50	0.10	312		312	39	12 283	128
BLUE 14-049-13	447	0.80	0.15	304		304	42	12 792	200
NISKU A SOLN	551	0.83	0.30	320b			42		
NISKU A ASSOC		0.75	0.10		-159b	479	42	20 089	
NISKU E	1 160	c	c	709	234	475	45a	21 261	87

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
13.63	0.181	0.65	12 250	47	0.791	0.67	1 499.7	1984	1988	RENENER
7.70	0.037	0.75	13 790	55	0.757	0.87 0.87	1 673.2	1952 1952	1986 1986	TCPL GPP TCPL GPP
7.39 5.90	0.127 0.130	0.60 0.75	12 510 12 820	67 48	0.825 0.780	0.72 0.74	1 692.9 1 750.0	1978 1987	1993 1989	
64.36	0.088	0.90	17 470	81	0.826	0.80 0.80	2 129.2	1952 1952	1990 1990	NRTHSTR AMOCO ATCOR KANNGAZ HOME PANCDN PROGAS NOVER TCPL WESTGAS CRESTAR TCPL PANCDN GAS CYCLING, CONCURRENT PRODUCTION TCPL PANCDN GAS CYCLING, CONCURRENT PRODUCTION
9.37 7.41 12.24 6.84 8.07	0.117 0.116 0.116 0.108 0.106	0.65 0.65 0.55 0.50 0.50	12 370 12 420 16 510 16 060 15 630	65 65 73 73 73	0.837 0.819 0.833 0.833 0.834	0.69 0.73 0.70 0.70 0.70	1 675.3 1 709.8 1 863.7 1 895.1 1 885.6	1959 1963 1953 1953 1953	1993 1993 1993 1993 1993	NOVER MATERIAL BALANCE MATERIAL BALANCE MATERIAL BALANCE PRODUCTION DECLINE
4.04 7.35 10.60 9.27 6.21	0.100 0.123 0.123 0.128 0.131	0.60 0.60 0.60 0.65 0.60	15 870 14 760 16 200 16 230 16 400	73 73 73 73 73	0.833 0.835 0.833 0.833 0.833	0.70 0.70 0.70 0.70 0.70	1 880.0 1 861.6 1 800.3 1 780.9 1 791.1	1953 1953 1953 1953 1953	1993 1993 1993 1993 1993	MATERIAL BALANCE MATERIAL BALANCE MATERIAL BALANCE MATERIAL BALANCE PRODUCTION DECLINE
8.10 3.69 8.72 6.92 2.40	0.121 0.130 0.121 0.123 0.130	0.55 0.60 0.50 0.55 0.75	16 330 14 650 15 580 16 270 15 750	73 73 73 73 70	0.833 0.835 0.834 0.833 0.834	0.70 0.70 0.70 0.70 0.69	1 843.5 1 968.2 1 848.9 1 795.7 1 822.9	1953 1953 1953 1953 1987	1993 1993 1993 1993 1987	PRODUCTION DECLINE MATERIAL BALANCE MATERIAL BALANCE MATERIAL BALANCE MATERIAL BALANCE
75.90	0.088	0.90	18 960	83	0.816	0.82	2 315.5	1954	1990	CRESTAR WEBEX WESTGAS TCPL NOVER PROGAS TARRAGN PANCDN KANNGAZ GULF ATCOR AMOCO TCPL PANCDN POCO MATERIAL BALANCE NONCOMMERCIAL OIL, PREV GAS CYC, BLOW
0.98 2.15 0.85 1.50 1.25 0.95 0.62 0.77 0.79 1.46 1.20	0.206 0.199 0.193 0.203 0.206 0.189 0.130 0.190 0.166 0.187 0.192	0.60 0.55 0.60 0.60 0.60 0.60 0.50 0.60 0.55 0.65 0.65	5 820 5 820 5 820 5 820 5 820 5 820 5 820 5 820 5 820 5 820 5 820	37 37 37 37 37 37 37 37 37 37 37	0.895 0.897 0.897 0.897 0.897 0.897 0.897 0.897 0.897 0.897 0.897	0.62 0.60 0.61 0.60 0.60 0.60 0.60 0.60 0.60 0.61 0.61	793.2 773.0 723.7 758.4 767.2 749.6 783.8 731.8 790.5 732.5 718.7	1959 1949 1972 1953 1955 1949 1954 1961 1953 1959 1961	1991 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990	ESSO NORCEN AMOCO MATERIAL BALANCE MATERIAL BALANCE MATERIAL BALANCE MATERIAL BALANCE MATERIAL BALANCE MATERIAL BALANCE MATERIAL BALANCE MATERIAL BALANCE MATERIAL BALANCE MATERIAL BALANCE
3.09 4.76	0.186 0.199	0.60 0.75	5 820 6 670	37 36	0.897 0.882	0.61 0.61	783.0 949.8	1947 1951	1991 1991	CENTRA ESSO TCPL CWNGNUL HUSKY NORCEN PANALTA PCI KANNGAZ PARAMNT POCO GARDNER CWNGNUL NORCEN ESSO PART OF VIK POOL NO.1 PRODUCTION DECLINE ESSO TCPL CWNGNUL HUSKY CONTIN NORCEN
2.78 27.40 10.47	0.149 0.150 0.090	0.85 0.80 0.80	30 510 19 380 39 720	84 104 91	0.907 0.887 1.047	0.82 0.70 0.78 0.78	2 520.1 2 479.7 3 099.6	1985 1986 1980	1993 1987 1989	NCMI NORCEN TOP/BASE TVD DRY GAS BREAKTHRU, GPP DRY GAS BREAKTHRU, GPP PROGAS PREV GAS CYCLING, BLOWDOWN
39.30	0.106	0.90	39 720	106	1.083	1.10	3 142.4	1978	1982	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
WESTPEM 049-13W5 (CONTINUED)									
OTHER	2 897			1 521	-738	2 259		90 915	
TOTAL-WESTPEM	6 640			3 848	-615	4 463		184 894	
WETASKIWIN 045-24W4									
TOTAL-WETASKIWIN	749			498	5	493		18 608	
WHISKEY 022-05W5									
RUNDLE A	2 651	0.40	0.25	795	122	673	41	27 472	440
PALL 04-022-05	2 123	0.50	0.65	372		372	38	14 062	200
OTHER	70			42		42		1 693	
TOTAL-WHISKEY	4 844			1 209	122	1 087		43 227	
WHITECOURT 060-11W5									
CADOMIN A		0.80	0.10				40		200
JURASSIC E		0.80	0.10				40		1 847
CADOMIN A&JURASSIC E TOTAL	2 195	0.80	0.10	1 580	1 479	101	40	4 000	
JURASSIC C	4 444	0.75	0.10	3 000	1 771	1 229	39	47 919	1 002
JURASSIC D	3 243	0.50	0.10	1 460	827	633	39	24 871	2 608
PEKISKO E	4 593	0.45	0.10	1 860	1 531	329	39	12 887	6 277
OTHER	1 711			1 163	313	850		33 206	
TOTAL-WHITECOURT	16 186			9 063	5 921	3 142		122 883	
WHITEHORSE 050-15W5									
NISKU B	502	0.80	0.15	342	174	168	37	6 292	128
OTHER	1 624			1 113	104	1 009		40 062	
TOTAL-WHITEHORSE	2 126			1 455	278	1 177		46 354	
WHITELAW 082-02W6									
SPIRIT RIVER F	256	0.80	0.05	195			38		1 240
SPIRIT RIVER G	127	0.65	0.05	79			37		990
SPIRIT RIVER H	92	0.65	0.10	54			37		926
SPIRIT RIVER J	31	0.70	0.05	21			37		250
SPIRIT RIVER K	31	0.70	0.05	21			37		250
SPIRIT RIVER L	24	0.65	0.05	15			37		250
SPIRIT RIVER M	23	0.65	0.05	14			37		250
SPIRIT RIVER N	156	0.70	0.05	104			37		250
SPIRIT RIVER O	38	0.70	0.05	26			37		250
SPRT RIVER FGHJKLMN&O TOTAL	778	0.70	0.05	529	232	297	37	11 123	
BLUESKY A	361	0.75	0.05	257			38		2 025
GETHING A	391	0.85	0.10	299			40		2 167
BLSKY A & GETH A TOTAL	752	0.80	0.10	556	140	416	39	16 120	
GETHING B	553	0.80	0.05	420	320	100	38	3 768	1 747
OTHER	926			607	94	513		19 450	
TOTAL-WHITELAW	3 009			2 112	786	1 326		50 461	
WHITEMUD 051-25W4									
TOTAL-WHITEMUD	267			174	28	146		5 623	
WHITFORD 058-16W4									
VIKING A	903	0.40	0.05	343	52	291	37	10 755	16 049
OTHER	2 270			1 442	544	898		33 460	
TOTAL-WHITFORD	3 173			1 785	596	1 189		44 215	
WIDEWATER 073-08W5									
TOTAL-WIDEWATER	243			170		170		6 250	
WILD HORSE CREEK 031-10W5									
RUNDLE A	2 401	0.50	0.20	961	768	193	38	7 284	668
TOTAL-WILD HORSE CREEK	2 401			961	768	193		7 284	
WILD RIVER 056-24W5									
NISKU A	926	0.90	0.10	750		750	39	29 228	200
LEDUC A	833	0.80	0.05	633	73	560	37	20 558	200
LEDUC B	687	0.90	0.05	587	65	522	37	19 445	100
OTHER	1 313			931		931		36 698	
TOTAL-WILD RIVER	3 759			2 901	138	2 763		105 929	
WILDCAT HILLS 027-06W5									
RUNDLE A	29 411	0.88	0.15	22 000	18 133	3 867	39	148 918	4 062

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
41.50	0.076	0.75	26 300	77	0.839	0.87	3 522.9	1968	1989	TCPL SHELL TOP/BASE TVD
46.25	0.077	0.85	32 090	85	0.727	0.98	3 803.6	1980	1988	TCPL SHELL
10.67	0.168	0.50	12 830	66	0.855	0.65	1 507.9	1963	1987	MATERIAL BALANCE
5.25	0.165	0.50	12 830	66	0.855	0.65	1 546.3	1963	1987	MATERIAL BALANCE
3.04	0.162	0.65	12 700	63	0.860	0.63	1 539.5	1963	1987	TCPL
8.67	0.169	0.70	12 170	64	0.847	0.68	1 577.7	1968	1985	TCPL MATERIAL BALANCE
10.04	0.123	0.65	12 780	66	0.858	0.65	1 586.7	1965	1991	TCPL PROGAS INVRNS
								1963	1992	TCPL PROGAS POCD CRESTAR PRODUCTION DECLINE
21.45	0.089	0.95	29 140	117	0.982	0.63	3 276.5	1981	1987	TCPL POCD
2.50	0.249	0.50	6 410	33	0.897	0.56	717.9	1977	1990	DEEP CUT SL
2.13	0.229	0.50	5 140	30	0.914	0.56	619.2	1977	1990	DEEP CUT SL
1.30	0.241	0.50	6 100	33	0.894	0.59	685.1	1977	1990	DEEP CUT SL
2.10	0.230	0.50	5 000	30	0.908	0.59	631.5	1972	1993	
2.20	0.270	0.35	5 610	26	0.895	0.59	663.9	1990	1990	
2.40	0.240	0.50	3 180	21	0.935	0.59	512.8	1990	1990	
2.30	0.310	0.35	3 540	22	0.929	0.59	542.9	1990	1990	
8.00	0.240	0.50	6 070	27	0.888	0.59	698.7	1990	1990	
1.80	0.260	0.50	6 170	28	0.888	0.59	707.9	1990	1990	
1.93	0.182	0.60	7 860	30	0.872	0.56	846.1	1972	1993	TCPL DEEP CUT SL
1.83	0.193	0.65	7 440	40	0.861	0.62	870.7	1950	1985	
								1951	1985	
3.26	0.187	0.65	7 540	33	0.877	0.57	877.7	1950	1985	TCPL CWNGNUL
								1959	1985	TCPL CWNGNUL
0.91	0.248	0.55	4 240	18	0.914	0.58	465.3	1949	1991	ESSO TCPL CWNGNUL NCMI PANALTA HOME KANNGAZ HILL NORCEN PART OF VIK POOL NO.6
26.69	0.077	0.85	21 720	62	0.859	0.66	2 164.5	1960	1993	TCPL AMERADA MATERIAL BALANCE TOP/BASE TVD
24.40	0.060	0.85	73 580	110	1.468	0.67	3 972.5	1972	1989	HUSKY
27.00	0.070	0.80	40 600	110	1.094	0.56	4 167.1	1980	1982	AMOCO
43.04	0.050	0.80	83 540	112	1.546	0.57	4 113.7	1990	1992	WESTGAS BVI CHEL
43.30	0.075	0.85	26 960	84	0.921	0.69	2 948.8	1958	1984	PCI TCPL CWNGNUL MATERIAL BALANCE TOP/BASE TVD

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
WILDCAT HILLS 027-06W5 (CONTINUED) TOTAL-WILDCAT HILLS	29 411			22 000	18 133	3 867		148 918	
WILDHAY (SA) 055-24W5 TOTAL-WILDHAY	393			283		283		10 975	
WILDMERE 048-05W4 LLOYDMINSTER A ASSOC		0.65	0.05				35		176
LLOYDMINSTER A SOLN	434	0.51	0.20	177b			35		
LLOYDMINSTER A ASSOC		0.70	0.05				35		32
LLOYDMINSTER A ASSOC		0.70	0.05				35		4
LLOYDMINSTER A ASSOC		0.60	0.05				35		3
LLOYDMINSTER A ASSOC		0.65	0.05				35		39
LLOYDMINSTER A ASSOC		0.65	0.05				35		9
LLOYDMINSTER A ASSOC		0.60	0.05				35		13
LLOYDMINSTER A ASSOC		0.65	0.05				35		30
LLOYDMINSTER A ASSOC		0.65	0.05				35		16
LLOYDMINSTER A ASSOC		0.65	0.05				35		16
SPARKY E ASSOC		0.70	0.05				35		52
SPARKY E ASSOC		0.70	0.05				35		69
LLOYD A & SPARKY E TOTAL	638	0.55	0.15	309b	281b	28	35	987	
OTHER	6 742			4 567	1 741	2 826		101 270	
TOTAL-WILDMERE	7 380			4 876	2 022	2 854		102 257	
WILDUNN CREEK 029-14W4 VIKING B	468	0.70	0.05	312	143	169	38	6 474	2 697
OTHER	350			230	144	86		3 186	
TOTAL-WILDUNN CREEK	818			542	287	255		9 660	
WILDWOOD 054-09W5 TOTAL-WILDWOOD	516			351		351		13 820	
WILKINS 042-08W4 TOTAL-WILKINS	113			75		75		2 729	
WILLESDEN GREEN 042-07W5 BELLY RIVER J SOLN	12	0.60	0.40	4b			39		
BELLY RIVER J ASSOC	543	0.65	0.10	318b	166b	156	39	6 159	591
CARDIUM A ASSOC	963	0.90	0.15	737b			41		3 934
CARDIUM A SOLN	24 922	0.34	0.54	3 898b			41		
CARDIUM A ASSOC	998	0.85	0.10	763b			40		4 697
CARDIUM A ASSOC	84	0.80	0.10	60b			40		637
CARDIUM A ASSOC	30	0.80	0.10	22b			40		350
CARDIUM A MU#1 TOTAL	26 997	0.40	0.45	5 480b	2 962b	2 518	41	102 055	
VIKING A ASSOC	12	0.75	0.15	8b			41		64
VIKING A SOLN	1 537	0.65	0.15	849b			41		
VIKING A ASSOC	256	0.75	0.15	163b			41		469
VIKING A TOTAL	1 805	0.65	0.15	1 020b	942b	78	41	3 220	
GLAUCONITIC C	8 608	0.70	0.10	5 423			40		8 894
ELLERSLIE G	2 033	0.50	0.15	864			41		2 217
GLAUC C & ELSRL G TOTAL	10 641	0.65	0.10	6 287	1 639	4 648	40	188 198	
OTHER	12 395			7 510	1 304	6 206		250 606	
TOTAL-WILLESDEN GREEN	52 393			20 619	7 013	13 606		550 238	
WILLINGDON 055-15W4 TOTAL-WILLINGDON	5 809			3 660	2 295	1 365		51 223	
WILLOW 028-17W4 TOTAL-WILLOW	786			525	160	365		13 761	
WILSON CREEK 043-04W5 BELLY RIVER A ASSOC	203	0.60	0.10	110b			39		1 248

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
0.86	0.305	0.80	4 520	22	0.917	0.60	612.1	1963	1993	PRODUCTION DECLINE GPP
0.81	0.303	0.80	4 520	22	0.917	0.60	590.4	1963	1993	PRODUCTION DECLINE GPP
1.05	0.310	0.80	4 520	22	0.917	0.60	577.0	1963	1990	PRODUCTION DECLINE
0.43	0.320	0.80	4 520	22	0.917	0.60	635.1	1963	1990	PRODUCTION DECLINE
0.79	0.315	0.80	4 520	22	0.917	0.60	652.7	1963	1990	PRODUCTION DECLINE
0.56	0.320	0.80	4 520	22	0.917	0.60	649.8	1963	1990	PRODUCTION DECLINE
0.92	0.310	0.75	4 520	22	0.917	0.60	660.4	1963	1990	PRODUCTION DECLINE
2.63	0.300	0.80	4 250	22	0.922	0.60	637.0	1963	1992	PRODUCTION DECLINE
1.83	0.300	0.80	4 520	22	0.918	0.60	631.3	1963	1992	PRODUCTION DECLINE ASSIGNED WELL 03-26-047-05W4M
1.52	0.300	0.80	4 520	22	0.918	0.60	596.7	1963	1992	PRODUCTION DECLINE ASSIGNED WELL 11-26-047-05W4M
1.12	0.260	0.70	4 530	21	0.919	0.59	597.6	1963	1990	PRODUCTION DECLINE
1.03	0.300	0.60	4 530	21	0.919	0.59	598.8	1963	1990	PRODUCTION DECLINE
								1963	1993	TCPL HUSKY NORCEN GPP
1.81	0.208	0.55	7 790	33	0.864	0.59	947.5	1953	1991	WESTGAS TCPL ATCOR KANNGAZ
3.36	0.141	0.75	9 130	41	0.813	0.68	1 543.3	1955	1989	ESSO NORCEN PRODUCTION DECLINE CONCURRENT PRODUCTION
1.88	0.119	0.50	20 170	58	0.792	0.72	1 787.9	1954	1993	ESSO NORCEN PRODUCTION DECLINE CONCURRENT PRODUCTION
2.94	0.095	0.35	19 830	58	0.784	0.75	1 831.8	1954	1987	CONCURRENT PRODUCTION
0.76	0.096	0.85	19 790	56	0.806	0.67	1 793.5	1954	1992	CONCURRENT PRODUCTION
0.68	0.078	0.85	17 220	52	0.787	0.67	1 805.7	1954	1992	CONCURRENT PRODUCTION
								1954	1993	CRESTAR GARDNER WESTGAS TCPL RIFE POCO BVI NORCEN HILL HOME ESSO DIRECT DEKALB ATCOR AMERADA CONCURRENT PRODUCTION
1.83	0.080	0.70	17 170	63	0.766	0.77	2 155.2	1956	1992	CONCURRENT PRODUCTION
3.17	0.129	0.70	19 220	80	0.812	0.77	2 317.8	1956	1992	CONCURRENT PRODUCTION
								1956	1992	SHELL HOME DEKALB TCPL WESTGAS AMERADA NORCEN POCO GARDNER CRESTAR CONCURRENT PRODUCTION
5.92	0.111	0.65	25 500	85	0.894	0.70	2 363.0	1978	1993	TARRAGN HOME NRTHSTR AMOCO POCO NORCEN
4.58	0.109	0.80	24 610	79	0.866	0.75	2 336.5	1964	1987	SASKOIL DEKALB PROGAS BVI PANCDN NOVER
								1964	1988	WESTGAS
2.82	0.147	0.55	5 900	40	0.877	0.68	1 273.6	1979	1990	PRODUCTION DECLINE CONCURRENT PRODUCTION

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
WILSON CREEK 043-04W5 (CONTINUED)									
BELLY RIVER A SOLN	897	0.65	0.20	466 ^b			39		
BELLY RIVER A ASSOC	8	0.60	0.10	5 ^b			39		107
BELLY RIVER A TOTAL	1 108	0.65	0.20	581 ^b	173 ^b	408	39	15 912	
GLAUCONITIC B	435	0.80	0.10	313	90	223	40	8 880	723
PEKISKO A	1 619	0.85	0.15	1 170	620	550	40	22 127	2 063
PEKISKO B	3 161	0.80	0.15	2 150	103	2 047	41	84 336	5 193
BANFF C	665	0.85	0.15	480	430	50	41	2 041	1 208
OTHER	4 655			1 973	830	1 143		45 522	
TOTAL-WILSON CREEK	11 643			6 667	2 246	4 421		178 818	
WIMBORNE 034-26W4									
BELLY RIVER B	660	0.65	0.05	408	178	230	36	8 282	3 791
D-2 B ASSOC	1 458	0.80	0.40	700			41		1 565
D-2 B SOLN	336	0.60	0.45	111			41		
D-2 B	35	0.75	0.10	23			38		100
D-2 B TOTAL	1 829	0.75	0.40	834	26	808	41	32 780	
D-3 A SOLN	2 678	0.27	0.30	506 ^b			35		
D-3 A ASSOC	12 037	0.85	0.25	7 673 ^b	5 537 ^b	2 642	35	91 730	6 156
OTHER	1 297			785	330	455		17 655	
TOTAL-WIMBORNE	18 501			10 206	6 071	4 135		150 447	
WINAGAMI 077-18W5									
TOTAL-WINAGAMI	169			114		114		4 348	
WINCHELL COULEE 029-06W5									
TOTAL-WINCHELL COULEE	111			74		74		2 931	
WINDFALL 060-15W5									
D-3 A SOLN	4 502	0.22	0.35	644 ^b			42 ^a		
D-3 A ASSOC	21 288	C	C	7 560 ^b	7 451 ^b	753	42 ^a	31 942	4 738
OTHER	7 754			3 711	1 338	2 373		89 835	
TOTAL-WINDFALL	33 544			11 915	8 789	3 126		121 777	
WINDY 049-04W4									
TOTAL-WINDY	456			293	31	262		9 073	
WINTERING HILLS 025-17W4									
MILK RIVER A	1 940	0.70	0.05	1 290			36		22 549
MEDICINE HAT A	5 861	0.70	0.03	3 980			36		55 909
SE ALTA GAS SYS(MU) TOTAL	7 801	0.70	0.05	5 270	348	4 922	36	179 505	
UPPER MANNVILLE K	586	0.85	0.10	448	62	386	38	14 668	2 338
LOWER MANNVILLE C	564	0.85	0.10	431	207	224	39	8 691	2 539
ELLERSLIE A ASSOC	2 145	0.80	0.10	1 544	270	1 274	39	49 686	4 227
OTHER	4 619			3 023	1 196	1 827		69 436	
TOTAL-WINTERING HILLS	15 715			10 716	2 083	8 633		321 986	
WIZARD LAKE 048-27W4									
D-3 A SOLN	7 303	0.86	0.28	4 522 ^b			47		
D-3 A ASSOC		0.85	0.10		-1 244 ^b	5 766	47	271 060	
OTHER	1 618			1 035	368	667		25 970	
TOTAL-WIZARD LAKE	8 921			5 557	-876	6 433		297 030	
WOKING 075-05W6									
BLUESKY B	435	0.80	0.05	331	226	105	38	4 008	861
OTHER	2 361			1 554	428	1 126		43 283	
TOTAL-WOKING	2 796			1 885	654	1 231		47 291	
WOLF 054-16W5									
TOTAL-WOLF	734			483		483		19 134	
WOLF SOUTH 051-15W5									
RK CK 11-051-15	596	0.80	0.05	453		453	39	17 563	200
RK CK 19-051-15	589	0.75	0.10	398		398	40	15 908	400
OTHER	689			499		499		19 963	
TOTAL-WOLF SOUTH	1 874			1 350		1 350		53 434	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m KB			
1.65	0.120	0.65	5 900	40	0.886	0.68 0.64	1 261.7	1979 1979 1979	1990 1990 1990	PRODUCTION DECLINE CONCURRENT PRODUCTION ASSIGNED WELL 16-17-043-04W5M TARRAGN KANNGAZ NCM1 POCO TCPL AMEAGLE DIRECT NORCEN CONCURRENT PRODUCTION NORCEN KANNGAZ POCO AMEAGLE TARRAGN NRTHRGE NORCEN TCPL PROGAS PROGAS TCPL
2.92	0.133	0.80	17 950	57	0.798	0.69	2 085.6	1967	1990	
8.99	0.065	0.75	19 270	87	0.850	0.76	2 137.0	1960	1989	
7.30	0.060	0.80	18 600	84	0.853	0.71	2 152.2	1966	1990	
3.96	0.090	0.75	18 890	57	0.791	0.73	2 123.4	1979	1989	
3.88	0.186	0.60	4 040	33	0.934	0.59	1 020.7	1974	1992	PANALTA PROGAS POCO NOVER
9.03	0.052	0.80	20 370	67	0.687	0.88	2 211.4	1956	1993	
3.00	0.080	0.80	18 620	77	0.841	0.88 0.73	2 200.6	1956 1957 1956	1993 1992 1993	ASSIGNED WELL 07-02-034-26W4M NORCEN TCPL TCPL CONCURRENT PRODUCTION TCPL CONCURRENT PRODUCTION
13.63	0.080	0.90	20 750	80	0.839	0.82 0.82	2 279.0	1954 1954	1993 1993	
32.92	0.064	0.85	26 100	104	0.856	0.85 0.85	2 581.9	1955 1955	1987 1987	PREV GAS CYCLING, BLOWDOWN, GPP PREV GAS CYCLING, BLOWDOWN, GPP
3.34	0.154	0.55	3 140	16	0.937	0.56	478.9	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
2.43	0.170	0.55	4 310	17	0.916	0.56	602.5	1904 1904	1987 1983	PART OF MED HAT POOL NO.1 TARRAGN TCPL PANALTA ESSO PANCDN AMERADA CANST POCO CRESTAR TCPL ESSO PANCDN TCPL ESSO PANCDN TCPL BVI ESSO CRESTAR PART OF ELRSL POOL NO.1 CONCURRENT PRODUCTION
1.52	0.215	0.70	9 810	37	0.821	0.66	1 170.9	1979	1991	
2.31	0.170	0.50	9 930	34	0.813	0.65	1 194.7	1955	1991	
4.85	0.175	0.55	9 690	38	0.815	0.66	1 168.3	1963	1991	
						0.92 0.92		1951 1951	1993 1993	GAS BREAKTHRU GAS BREAKTHRU
1.91	0.180	0.60	12 160	46	0.842	0.60	1 406.0	1959	1986	CWNGNUL PANALTA MATERIAL BALANCE
11.80	0.150	0.85	21 230	70	0.888	0.59	2 619.0	1981	1983	AMOCO ESSO ENCOR BER
8.40	0.108	0.75	22 450	77	0.843	0.75	2 599.3	1992	1993	BER

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 2 3			4 5 6 7 8					9
	RAW GAS			MARKETABLE GAS					AREA ha
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
WOLVERINE 098-15W5 TOTAL-WOLVERINE	187			110		110		3 842	
WOOD RIVER 043-23W4 LOWER MANNVILLE B OTHER TOTAL-WOOD RIVER	545 3 336 3 881	0.80	0.15	371 1 994 2 365	254 194 448	117 1 800 1 917	41	4 786 70 494 75 280	406
WOODENHOUSE (SA) 086-22W4 TOTAL-WOODENHOUSE	200			96		96		3 534	
WOODLAND 060-19W4 TOTAL-WOODLAND	434			291	37	254		9 324	
WOOLFORD (SA) 002-24W4 TOTAL-WOOLFORD	52			21		21		809	
WORKMAN 031-26W4 TOTAL-WORKMAN	246			141	101	40		1 523	
WORSLEY 087-07W6 D-3 A D-3 B D-3 D D-3 E D-3 G GRANITE WASH A OTHER TOTAL-WORSLEY	761 827 1 520 816 1 803 540 3 566 9 833	0.85 0.90 0.85 0.75 0.40 0.85	0.07 0.07 0.07 0.10 0.10 0.10	602 692 1 202 551 649 413 2 330 6 439	529 682 1 202 551 649 413 557 4 583	73 10 34 35 37 37 1 773 1 856	37 36 34 35 37 37	2 700 365 - - - - 66 193 69 258	1 367 1 726 440 400 1 351 128
WRENTHAM 006-16W4 TOTAL-WRENTHAM	105			65	2	63		2 166	
WROE (SA) 056-25W5 TOTAL-WROE	305			216		216		7 824	
YEKAU LAKE 052-26W4 TOTAL-YEKAU LAKE	484			270	74	196		7 366	
YELLOWSTONE (SA) 071-13W5 TOTAL-YELLOWSTONE	19			12		12		466	
YOUNGSTOWN 031-10W4 TOTAL-YOUNGSTOWN	518			317	58	259		9 752	
ZAMA 118-05W6 SULPHUR POINT I OTHER TOTAL-ZAMA	628 9 947 10 575	0.85	0.15	454 5 691 6 145	964 964	454 4 727 5 181	38	17 093 180 982 198 075	498
ZEUES (SA) 119-11W6 TOTAL-ZEUES	9			7		7		262	

a MEASURED HEATING VALUE.
b INCLUDES SOLUTION GAS PRODUCTION.
c POOL RECOVERY AND SURFACE LOSS CALCULATED ON AN ENERGY BASIS. SEE TABLE 4-2.

[illegible]



5 ETHANE CONTENT OF GAS

This chapter discusses the 1993 production of ethane and presents the Board's estimate of the total volume of ethane contained in the remaining established reserves of gas. Although the Board believes that ethane extraction at crude-oil refineries and at plants processing synthetic crude oil may become viable in the future, it has not attempted to estimate the prospective reserves from those sources. The effect of future ethane recovery at gas reprocessing plants on Alberta's remaining established reserves of marketable gas is discussed in Chapter 4.

Ethane is defined in the Oil and Gas Conservation Act as "in addition to its normal scientific meaning, a mixture mainly of ethane which ordinarily may contain some methane or propane". Although the 1993 ethane recovery data conform with this definition, the ethane reserve estimates are calculated on the basis of ethane product assumed to be 100 per cent ethane.

Ethane volumes are given in the standard unit of cubic metres of ethane liquid at equilibrium pressure and 15 degrees Celsius. However, in Table 5-1, ethane reserves are also given in cubic metres of ethane gas at 101.325 kilopascals and 15 degrees Celsius. A conversion factor of 0.003 55 cubic metres of ethane liquid per cubic metre of ethane gas is used.

5.1 Ethane in the Remaining Established Reserves of Gas

The Board has developed a computer file of compositional gas analyses, which has been used extensively in preparing the ethane reserve estimates in this section. Where a gas analysis was not available for a particular pool, a field or area average for the zone was used.

As shown in Table 5-1, the ethane content in liquefied form of the total remaining established reserves of marketable gas is some 295 million cubic metres, some 192 million of which is in currently producing pools and the remaining 103 million in unconnected or deferred pools. Of the ethane content in unconnected pools, some 7.0 million cubic metres is in pools currently considered beyond economic reach and some 0.9 million in confidential pools. These reserves exclude volumes of ethane recoverable from solvent flood banks.

The Board has also estimated the contribution to reserves of the ethane component of the solvent bank injected into several pools throughout the province to enhance oil recovery. Pool recovery factors based on Board studies were used to estimate the solvent bank recoverable from each pool. An evaluation of both the injected and reproduced solvent volumes has resulted in the Board's estimates of the ethane volume recoverable from solvent floods. The 1993 estimate of ethane "Recoverable from Solvent Floods" (as stated at the end of Table 5-1) excludes volumes contained in push gas, as these volumes are included under the individual pool reserve estimates.

For individual gas pools, the ethane content of marketable gas in Alberta, with few exceptions, falls within the range of 0.002 5 to 0.20 mole per mole. The 31 December 1993 volume-weighted average ethane content of all remaining established marketable gas is 0.054 mole per mole, as indicated in Table 5-1.

5.2 Extraction of Specification Ethane in 1993

In addition to increased production from the Dome Empress and A.N.G. Cochrane plants, production of specification ethane commenced at the Dow Fort Saskatchewan plant during 1993. Combined, these factors increased the overall extraction of specification ethane from 8209 thousand cubic metres in 1992 to 9022 thousand cubic metres in 1993, an increase of almost 10 per cent.

5.3 Extraction of Ethane-plus Product in 1993

The total production of ethane-plus for 1993 was 2220 thousand cubic metres with an estimated ethane content of approximately 0.79 mole per mole.

TABLE 5-1 Ethane in the Remaining Established Reserves of Gas
As at 31 December 1993

Fields	Remaining Established Reserves of Marketable Gas	Ethane Content ^a	Volume of Ethane		
			10 ⁶ m ³	mol/mol	10 ⁶ m ³ (gas)
Major Fields					
Bonnie Glen	12 075	0.161	1 942	6.89	
Brazeau River	26 427	0.088	2 329	8.27	
Caroline	35 256	0.172	6 055	21.50	
Elmworth	24 103	0.066	1 582	5.62	
Garrington	9 703	0.094	908	3.22	
Gilby	10 172	0.090	919	3.26	
Harmattan East	9 917	0.087	865	3.07	
Harmattan-Elkton	13 207	0.086	1 134	4.03	
Jumping Pound West	21 751	0.041	895	3.18	
Karr	11 275	0.081	913	3.24	
Kaybob South	25 859	0.111	2 867	10.18	
Leduc-Woodbend	7 965	0.107	852	3.02	
Medicine River	9 957	0.099	981	3.48	
Pembina	26 047	0.091	2 360	8.38	
Rainbow	14 129	0.102	1 442	5.12	
Ricinus	20 736	0.081	1 673	5.94	
Sylvan Lake	12 494	0.095	1 182	4.20	
Valhalla	11 840	0.078	925	3.28	
Wapiti	16 616	0.064	1 057	3.75	
Wembley	8 093	0.105	849	3.01	
Willesden Green	13 712	0.100	1 372	4.87	
Subtotal	341 334	0.097	33 102	118	

TABLE 5-1 (continued)

Fields	Remaining Established Reserves of Marketable Gas	Ethane Content ^a	Volume of Ethane	
			10 ⁶ m ³ (gas)	10 ⁶ m ³ (liquid)
Fields with over 1.50 × 10 ⁹ m ³ of remaining established marketable gas but under 3.0 × 10 ⁶ m ³ of ethane reserves	894 067	0.043	38 407	136
Subtotal	<u>1 235 401</u>	<u>0.058</u>	<u>71 509</u>	<u>254</u>
All other remaining established reserves of marketable gas	299 522	0.039	11 620	41
Total	<u>1 534 923</u>	<u>0.054</u>	<u>83 129</u>	<u>295</u>
Recoverable from solvent floods			2 535	9
Provincial Total			<u>85 664</u>	<u>304</u>
			(3 041) ^b	(1 924) ^c

a Volume-weighted average. In several fields, ethane is extracted at field plants such that the actual ethane content of marketable gas from these fields is substantially less than this calculated content.

b Imperial equivalent in billions of cubic feet.

c Imperial equivalent in millions of barrels.

6 RESERVES OF NATURAL GAS LIQUIDS

Natural gas liquids are defined in the Oil and Gas Conservation Act as "propane, butanes, or pentanes plus, or a combination of them, obtained from the processing of raw gas or condensate". For the purposes of this report, condensate recovered in stock tanks and marketed without processing is included in the reserves of pentanes plus. Also included in the pentanes plus category are higher-vapour-pressure products that contain substantial quantities of butanes recovered at several plants throughout the province.

6.1 Provincial Summary

The Board estimates the remaining established reserves of natural gas liquids in the province as at 31 December 1993 to be 298 million cubic metres. During 1993, the Board continued to improve its computerized database. Although this effort has not significantly affected the provincial reserves, it has caused some minor variations in reserves associated with specific formations. Overall, the Board believes this year's estimates are an improvement over previous ones. The changes in the reserves during the past year are tabulated below:

	Established Reserves			
	Propane	Butanes	Pentanes Plus	Total
	10 ⁶ m ³ (liquid)			
Remaining at 31 December 1992	121.1	70.6	120.0	311.7
Additions during 1993	5.0	0.6	1.0	6.6
Less net production ^a during 1993	8.0	4.1	8.0	20.1
Remaining at 31 December 1993	118.1	67.1	113.0	298.2
	(744.0) ^b	(422.5) ^b	(711.1) ^b	(1 877.6) ^b
Cumulative net production ^a to 31 December 1993	139.7	84.5	205.6	429.8
Initial established reserves at 31 December 1993	257.8	151.6	318.6	728.0
	(1 624.1) ^b	(954.6) ^b	(2 004.9) ^b	(4 583.6) ^b

- a Net production means production less those volumes returned to the formation or injected to enhance the recovery of oil.
- b Imperial equivalent in millions of barrels.

Also during 1993 propane and butanes recovery at crude-oil refineries was 301.6 and 716.1 thousand cubic metres, respectively. Although propane and butanes are potentially recoverable at other crude-oil refineries and from processing crude bitumen, the Board has not attempted to estimate the prospective reserves from those sources.

6.2 Major Changes to Recoverable Reserves of Natural Gas Liquids

During 1993 changes to the reserves of natural gas liquids occurred as a result of reserves additions and deletions, re-evaluation of plant recovery efficiencies and gas and liquids production. The most notable of these changes were decreases in the Caroline, Kaybob South and Brazeau River Fields and increases in the Turner Valley, Westpenn and Quirk Creek Fields. The overall result of the changes is a significant reduction in the remaining reserves of natural gas liquids compared to 1992 levels as shown in the tabulation in Section 6.1.

6.3 Determination of Recoverable Reserves of Natural Gas Liquids

The remaining established reserves of natural gas liquids consist of liquids that are expected to be extracted from the province's remaining established reserves of raw gas. The liquids recoverable from pools currently producing and connected to gas processing plants were generally determined using remaining recoverable raw-gas reserves, a raw-gas analysis, and the current plant recovery efficiency for each component. For retrograde condensate pools where gas is cycled, product recoveries have been determined from individual reservoir studies having regard for anticipated future cycling and blowdown operations.

For those pools not currently connected or on production, the Board estimated whether or not the gas would be processed for liquid recovery and, if so, the recovery efficiency for each component. This estimate was made on a broad judgement basis having regard for the gas composition in those pools. Confidential reserves and those considered beyond economic reach are included in the unconnected-reserve category.

The natural gas liquid reserves recoverable at reprocessing plants have been estimated by multiplying the remaining marketable gas reserves by the historic ratio of liquid production to marketable gas production. This assumes that both the liquid content of marketable gas and the portion of marketable gas to be reprocessed will remain constant. The Board believes that the approach gives a reasonable indication of the natural gas liquids recoverable at reprocessing plants.

The Board has also estimated the reserves of natural gas liquids being injected as solvent into several pools throughout the province to enhance oil recovery. Pool recovery factors based on Board studies were used to estimate the portion of such solvent recoverable from each pool. Plant recovery factors of 85 per cent for propane, 95 per cent for butanes, and 100 per cent for pentanes plus were then applied to the pool recoveries to determine the reserves of natural gas liquids recoverable from solvent-flood schemes. A re-evaluation of both the injected and reproduced solvent volumes has resulted in changes in the Board's estimates of volumes recoverable from solvent floods. The 1993 estimates of natural gas liquids "Recoverable from Solvent Floods" (as stated at the end of Table 6-1) exclude volumes contained in push gas as these volumes are included under the individual pool reserve estimates.

The following tabulation shows the natural gas liquid reserves broken down into connected and unconnected categories. These reserves exclude volumes recoverable at reprocessing plants and from solvent-flood production.

	Remaining Established Reserves As at 31 December 1993			
	Propane	Butanes	Pentanes Plus	Total
	10 ⁶ m ³ (liquid)			
Connected	42.7	31.7	73.8	148.2
Unconnected	<u>26.7</u>	<u>15.0</u>	<u>30.2</u>	<u>71.9</u>
Total	69.4	46.7	104.0	220.1

6.4 Discussion of Reserves Table 6-1

The Board's current estimates of the remaining established reserves of natural gas liquids are detailed in Table 6-1. Fields containing 800 000 cubic metres or more of recoverable liquids are listed individually and those containing less are grouped under the **Beyond Economic Reach, Confidential, and Other Small Reserves** categories. Provincial reserves recoverable at reprocessing plants and from solvent-flood schemes are not included in the reserves for the individual pools but are shown as totals at the end of the table.

TABLE 6-1 Remaining Established Reserves of Natural Gas Liquids
As at 31 December 1993

Field	1 Zone	2 Remaining Reserves of Marketable Gas	3 Liquid Recovery Ratio	4 Propane	5 Butanes Pentanes Plus	6 10 ⁶ m ³	7 10 ³ m ³	8 Propane Butanes Pentanes Plus	9 Total
		10 ⁶ m ³	m ³ /10 ⁶ m ³ of marketable gas						
Acheson	Mannville	471	127	62	40	60	29	19	108
	Winterburn	78	38	26	141	3	2	11	16
	Leduc	857	543	232	338	465	199	290	954
	Subtotal					528	230	320	1 078
Ansell	Cardium	2 253	59	44	216	133	100	486	719
	Viking	464	69	32	88	32	15	41	88
	Mannville	2 344	53	38	73	124	90	171	385
	Jurassic	38	132	79	132	5	3	5	13
	Mississippian	459	87	24	11	40	11	5	56
	Subtotal					334	219	708	1 261
Bigoray	Mannville	2 298	97	50	98	223	114	226	563
	Jurassic	472	87	51	127	41	24	60	125
	Mississippian	307	55	29	91	17	9	28	54
	Winterburn	733	304	160	127	223	117	93	433
	Subtotal					504	264	407	1 175
Bigstone	Dunvegan	2 810	46	58	176	128	164	495	787
	Mannville	212	104	42	33	22	9	7	38
	Wabamun	116	60	52	198	7	6	23	36
	Subtotal					157	179	525	861
Bonnie Glen	Cardium	89	213	124	124	19	11	11	41
	Mannville	654	107	55	52	70	36	34	140
	Leduc ^a	11 158	-	-	-	998	512	1 203	2 713
	Subtotal					1 087	559	1 248	2 894
Brazeau River	Viking	4 323	73	39	130	316	168	560	1 044
	Jurassic	2 391	143	73	214	343	175	512	1 030
	Mississippian	7 788	-	-	95	-	-	737	737
	Winterburn ^a	11 866	-	-	-	870	809	4 005	5 684
	Subtotal					1 529	1 152	5 814	8 495
Caroline	Cardium	1 725	152	88	191	262	152	330	744
	Viking	1 062	131	68	116	139	72	123	334
	Mannville	13 963	137	72	170	1 919	1 010	2 374	5 303
	Jurassic	153	131	78	118	20	12	18	50
	Mississippian	1 363	106	70	108	144	96	147	387
	Beaverhill Lake	15 901	351	456	1 176	5 588	7 243	18 698	31 529
	Subtotal					8 072	8 585	21 690	38 347

TABLE 6-1 (continued)

	1	2	3	4	5	6	7	8	9
Field	Zone	Remaining Reserves of Marketable Gas	Liquid Recovery Ratio			Remaining Established Reserves of Natural Gas Liquids			
			Propane	Butanes	Pentanes Plus	Propane	Butanes	Pentanes Plus	Total
		10 ⁶ m ³	m ³ /10 ⁶ m ³ of marketable gas			10 ³ m ³			
Carrot Creek	Cardium	408	32	22	39	13	9	16	38
	Mannville	1 660	113	85	100	187	141	166	494
	Jurassic	1 528	93	50	79	142	76	120	338
	Subtotal					342	226	302	870
Clive	Viking	222	95	54	90	21	12	20	53
	Mannville	894	130	68	124	116	61	111	288
	Winterburn	426	242	131	169	103	56	72	231
	Leduc	933	242	137	117	226	128	109	463
	Subtotal					466	257	312	1 035
Cranberry	Beaverhill Lake	5 781	67	68	210	387	393	1 215	1 995
	Elk Point	664	14	12	48	9	8	32	49
	Subtotal					396	401	1 247	2 044
Crossfield	Viking	146	89	62	55	13	9	8	30
	Mannville	982	25	19	82	25	19	81	125
	Mississippian*	4 712	-	-	-	400	275	602	1 277
	Wabamun	1 705	6	6	26	11	10	45	66
	Subtotal					449	313	736	1 498
Cyn-Pem	Cardium	154	221	201	208	34	31	32	97
	Viking	81	198	123	111	16	10	9	35
	Mannville	513	123	62	123	63	32	63	158
	Jurassic	1 805	108	156	110	195	281	199	675
	Subtotal					308	354	303	965
Dunvegan	Triassic	243	78	45	49	19	11	12	42
	Mississippian	10 872	64	38	86	698	418	933	2 049
	Wabamun	283	106	67	71	30	19	20	69
	Subtotal					747	448	965	2 160
Edson	Cardium	1 314	186	124	129	245	163	170	578
	2nd White Specks	167	144	84	96	24	14	16	54
	Viking	1 202	11	5	41	13	6	49	68
	Mannville	2 657	103	55	99	274	146	263	683
	Jurassic	567	19	11	358	11	6	203	220
	Mississippian	4 984	-	-	28	-	-	140	140
	Subtotal					567	335	841	1 743

TABLE 6-1 (continued)

	1	2	3	4	5	6	7	8	9
Field	Zone	Remaining Reserves of Marketable Gas	Liquid Recovery Ratio			Remaining Established Reserves of Natural Gas Liquids			
			Propane	Butanes	Pentanes Plus	Propane	Butanes	Pentanes Plus	Total
		10 ⁶ m ³	m ³ /10 ⁶ m ³ of marketable gas			10 ³ m ³			
Elmworth	Cardium	536	95	43	67	51	23	36	110
	Cadotte	2 372	26	11	19	61	27	46	134
	Mannville	17 747	42	18	48	754	318	851	1 923
	Jurassic	1 749	6	2	26	10	4	45	59
	Triassic	1 527	22	9	83	33	13	126	172
	Subtotal					909	385	1 104	2 398
Ferrier	Belly River	195	133	56	36	26	11	7	44
	Cardium	3 645	115	71	108	418	257	393	1 068
	Viking	365	142	77	142	52	28	52	132
	Mannville	1 625	61	35	164	99	57	267	423
	Jurassic	195	133	67	56	26	13	11	50
	Mississippian	2 331	-	-	131	-	-	306	306
	Subtotal					621	366	1 036	2 023
Garrington	Cardium	274	175	95	307	48	26	84	158
	Viking	905	113	63	112	102	57	101	260
	Mannville	3 910	158	86	129	617	337	505	1 459
	Jurassic	576	56	26	57	32	15	33	80
	Mississippian	1 391	100	60	127	139	84	177	400
	Wabamun	1 012	118	92	184	119	93	186	398
	Leduc	1 602	105	67	198	169	108	317	594
	Subtotal					1 226	720	1 403	3 349
Ghost Pine	Mannville	4 679	50	42	56	236	198	264	698
	Mississippian	614	64	52	50	39	32	31	102
	Subtotal					275	230	295	800
Gilby	Cardium	194	134	82	129	26	16	25	67
	Mannville	5 542	89	59	73	496	327	402	1 225
	Jurassic	1 545	78	50	65	121	77	100	298
	Mississippian	2 374	68	46	72	161	110	170	441
	Wabamun	52	135	58	58	7	3	3	13
	Subtotal					811	533	700	2 044
Gold Creek	Cadotte	62	81	32	48	5	2	3	10
	Mannville	2 142	132	64	85	282	138	182	602
	Jurassic	288	83	35	35	24	10	10	44
	Triassic	534	36	21	56	19	11	30	60
	Wabamun	1 438	-	-	522	-	-	751	751
	Subtotal					330	161	976	1 467

TABLE 6-1 (continued)

Field	1 Zone	2 Remaining Reserves of Marketable Gas	3 Liquid Recovery Ratio	4 Propane	5 Butanes Pentanes Plus	6 Remaining	7 Established	8 Reserves of Natural Gas Liquids	9 Total
		10 ⁶ m ³	m ³ /10 ⁶ m ³ of marketable gas			10 ³ m ³			
Harmattan East	Viking	51	137	78	59	7	4	3	14
	Mannville	289	156	83	211	45	24	61	130
	Mississippian ^a	9 388	-	-	-	367	274	468	1 109
	Subtotal					419	302	532	1 253
Harmattan-Elkton	Mannville	59	119	68	85	7	4	5	16
	Mississippian ^a	12 796	-	-	-	270	238	715	1 223
	Subtotal					277	242	720	1 239
Hussar	Viking	782	37	18	43	29	14	34	77
	Basal Colorado	187	21	11	27	4	2	5	11
	Mannville	6 829	81	47	64	556	324	435	1 315
	Mississippian	53	94	57	38	5	3	2	10
	Subtotal					594	343	476	1 413
Judy Creek	Beaverhill Lake	2 766	382	151	102	1 056	417	281	1 754
	Subtotal					1 056	417	281	1 754
Jumping Pound West	Mississippian	21 751	26	24	79	566	522	1 718	2 806
	Subtotal					566	522	1 718	2 806
Kakwa	Cardium ^a	3 080	-	-	-	328	136	262	726
	Cadotte	352	91	51	142	32	18	50	100
	Mannville	706	45	21	33	32	15	23	70
	Jurassic	72	-	-	56	-	-	4	4
	Subtotal					392	169	339	900
Karr	Dunvegan	984	65	34	67	64	33	66	163
	Mannville	9 114	147	85	148	1 337	773	1 348	3 458
	Jurassic	71	99	56	56	7	4	4	15
	Triassic	401	55	32	45	22	13	18	53
	Wabamun	619	61	63	454	38	39	281	358
	Subtotal					1 468	862	1 717	4 047
Kaybob	Viking	304	59	43	69	18	13	21	52
	Mannville	4 467	21	16	39	92	70	175	337
	Jurassic	145	145	76	90	21	11	13	45
	Wabamun	79	127	76	76	10	6	6	22
	Beaverhill Lake ^a	2 227	-	-	-	282	292	499	1 073
	Subtotal					423	392	714	1 529

TABLE 6-1 (continued)

	1	2	3	4	5	6	7	8	9
Field	Zone	Remaining Reserves of Marketable Gas	Liquid Recovery Ratio			Remaining Established Reserves of Natural Gas Liquids			
			Propane	Butanes	Pentanes Plus	Propane	Butanes	Pentanes Plus	Total
		10 ⁶ m ³	m ³ /10 ⁶ m ³ of marketable gas			10 ³ m ³			
Kaybob South	Viking	392	51	28	46	20	11	18	49
	Mannville	8 158	37	21	52	301	170	423	894
	Jurassic	423	54	24	73	23	10	31	64
	Triassic	1 311	69	38	87	91	50	114	255
	Winterburn	2 434	148	124	436	360	301	1 062	1 723
	Beaverhill Lake*	12 811	-	-	-	503	543	887	1 933
	Subtotal					1 298	1 085	2 535	4 918
Leduc-Woodbend	Mannville	3 125	142	67	61	445	209	192	846
	Wabamun	893	112	62	55	100	55	49	204
	Winterburn	205	176	98	73	36	20	15	71
	Leduc	3 287	101	104	53	332	342	174	848
	Subtotal					913	626	430	1 969
McLeod	Cardium	250	112	64	48	28	16	12	56
	Mannville	3 034	124	75	98	376	228	297	901
	Jurassic	1 615	102	63	175	164	102	282	548
	Winterburn	533	81	47	39	43	25	21	89
	Beaverhill Lake	99	-	-	253	-	-	25	25
	Subtotal					611	371	637	1 619
Medicine River	Viking	66	121	61	76	8	4	5	17
	Mannville	5 085	117	62	63	597	313	319	1 229
	Jurassic	2 014	93	45	43	187	90	87	364
	Mississippian	2 412	107	63	94	258	151	226	635
	Leduc	281	206	139	256	58	39	72	169
	Subtotal					1 108	597	709	2 414
Minehead	Belly River	20	150	100	200	3	2	4	9
	Cardium	2 842	98	63	258	278	180	732	1 190
	Subtotal					281	182	736	1 199
Mitsue	Elk Point	1 344	482	296	152	648	398	204	1 250
	Subtotal					648	398	204	1 250
Niton	Mannville	1 316	118	65	136	155	85	179	419
	Jurassic	3 482	36	33	88	125	114	305	544
	Subtotal					280	199	484	963

TABLE 6-1 (continued)

	1	2	3	4	5	6	7	8	9
Field	Zone	Remaining Reserves of Marketable Gas	Liquid Recovery Ratio			Remaining Established Reserves of Natural Gas Liquids			
			Propane	Butanes	Pentanes Plus	Propane	Butanes	Pentanes Plus	Total
		10 ⁶ m ³	m ³ /10 ⁶ m ³ of marketable gas			10 ³ m ³			
Peco	Belly River	320	106	50	128	34	16	41	91
	Cardium	193	104	62	83	20	12	16	48
	Viking	232	108	56	91	25	13	21	59
	Mannville	1 781	102	65	283	182	116	504	802
	Jurassic	1 225	86	43	60	105	53	74	232
	Winterburn	209	100	77	191	21	16	40	77
	Subtotal					387	226	696	1 309
Pembina	Belly River	3 675	110	56	103	403	206	377	986
	Cardium	5 192	150	108	96	778	563	500	1 841
	Viking	365	107	52	52	39	19	19	77
	Mannville	6 589	90	51	78	593	338	516	1 447
	Jurassic	2 734	116	65	126	318	179	344	841
	Mississippian	1 424	99	65	86	141	93	122	356
	Winterburn	5 735	197	92	65	1 130	528	374	2 032
Subtotal					3 402	1 926	2 252	7 580	
Pine Creek	Mannville	3 904	74	43	150	288	168	587	1 043
	Jurassic	2 345	20	11	40	47	25	94	166
	Triassic	1 154	5	4	27	6	5	31	42
	Mississippian	243	33	21	25	8	5	6	19
	Wabamun	1 326	-	-	10	-	-	13	13
Subtotal					349	203	731	1 283	
Progress	Triassic	5 105	65	45	98	334	228	498	1 060
	Subtotal					334	228	498	1 060
Quirk Creek	Mississippian	3 071	97	76	263	297	233	808	1 338
						297	233	808	1 338
Rainbow	Mannville	2 344	4	4	6	10	10	14	34
	Slave Point	437	71	43	151	31	19	66	116
	Sulphur Point	810	80	53	109	65	43	88	196
	Muskeg	305	200	111	125	61	34	38	133
	Keg River	10 104	188	100	122	1 902	1 010	1 234	4 146
Subtotal					2 069	1 116	1 440	4 625	
Rainbow South	Sulphur Point	586	15	10	55	9	6	32	47
	Muskeg	610	120	79	116	73	48	71	192
	Keg River	1 967	273	151	289	537	297	568	1 402
	Subtotal					619	351	671	1 641

TABLE 6-1 (continued)

	1	2	3	4	5	6	7	8	9
Field	Zone	Remaining Reserves of Marketable Gas	Liquid Recovery Ratio			Remaining Established Reserves of Natural Gas Liquids			
			Propane	Butanes	Pentanes Plus	Propane	Butanes	Pentanes Plus	Total
		10 ⁶ m ³	m ³ /10 ⁶ m ³ of marketable gas			10 ³ m ³			
Ricinus	Cardium ^a	13 879	-	-	-	571	400	641	1 612
	Viking	3 679	20	11	74	74	40	273	387
	Mannville	67	75	45	45	5	3	3	11
	Winterburn	250	96	108	84	24	27	21	72
	Subtotal					674	470	938	2 082
Shekilie	Sulphur Point	539	108	71	100	58	38	54	150
	Muskeg	151	106	53	73	16	8	11	35
	Elk Point	31	97	65	97	3	2	3	8
	Keg River	2 310	201	122	113	465	282	261	1 008
	Subtotal					542	330	329	1 201
Strachan	Cardium	173	162	92	156	28	16	27	71
	Mannville	1 165	24	10	46	28	12	54	94
	Jurassic	78	115	51	13	9	4	1	14
	Leduc	3 082	45	42	155	139	129	478	746
	Subtotal					204	161	560	925
Swan Hills	Beaverhill Lake	1 977	694	425	232	1 372	840	459	2 671
	Subtotal					1 372	840	459	2 671
Sylvan Lake	Viking	340	115	65	65	39	22	22	83
	Mannville	5 856	92	62	97	541	365	569	1 475
	Jurassic	2 170	108	69	101	235	150	220	605
	Mississippian	2 913	101	61	73	295	179	214	688
	Leduc	1 172	109	84	164	128	98	192	418
	Subtotal					1 238	814	1 217	3 269
Turner Valley	Mannville	169	112	47	24	19	8	4	31
	Jurassic	78	141	64	38	11	5	3	19
	Mississippian	1 907	222	138	345	423	263	658	1 344
	Subtotal					453	276	665	1 394
Twining	Viking	731	52	27	42	38	20	31	89
	Mannville	986	57	38	61	56	37	60	153
	Mississippian	5 128	136	145	96	697	743	493	1 933
	Subtotal					791	800	584	2 175
Valhalla	Doe Creek	2 080	23	18	24	47	38	50	135
	Mannville	2 404	-	-	34	-	-	82	82
	Jurassic	56	125	54	89	7	3	5	15
	Triassic ^a	6 517	-	-	-	1 046	530	1 899	3 475
	Subtotal					1 100	571	2 036	3 707

TABLE 6-1 (continued)

	1	2	3	4	5	6	7	8	9
Field	Zone	Remaining Reserves of Marketable Gas	Liquid Recovery Ratio			Remaining Established Reserves of Natural Gas Liquids			
			Propane	Butanes	Pentanes Plus	Propane	Butanes	Pentanes Plus	Total
		10 ⁶ m ³	m ³ /10 ⁶ m ³ of marketable gas			10 ³ m ³			
Virginia Hills	Mannville	224	13	4	36	3	1	8	12
	Mississippian	648	103	59	69	67	38	45	150
	Beaverhill Lake	1 238	450	210	135	557	260	167	984
	Subtotal					627	299	220	1 146
Waterton	Cardium	140	100	57	129	14	8	18	40
	Mannville	397	96	50	48	38	20	19	77
	Mississippian ^a	15 703	-	-	-	593	479	1 972	3 044
	Subtotal					645	507	2 009	3 161
Wembley	Dunvegan	315	92	41	44	29	13	14	56
	Triassic ^a	7 046	-	-	-	1 099	556	2 106	3 761
	Subtotal					1 128	569	2 120	3 817
Westerose	Viking	76	79	39	39	6	3	3	12
	Mannville	2 437	132	69	76	322	167	186	675
	Mississippian	100	150	80	170	15	8	17	40
	Winterburn	69	87	58	159	6	4	11	21
	Leduc ^a	3 382	-	-	-	295	236	367	898
	Subtotal					644	418	584	1 646
Westerose South	Mannville	7 201	143	74	98	1 028	535	703	2 266
	Mississippian	225	116	58	84	26	13	19	58
	Wabamun	270	148	74	59	40	20	16	76
	Leduc ^a	125	-	-	-	15	11	24	50
	Subtotal					1 109	579	762	2 450
Westpem	Mannville	1 274	82	47	558	104	60	711	875
	Jurassic	742	101	62	270	75	46	200	321
	Winterburn ^a	2 443	-	-	-	379	214	235	828
	Subtotal					558	320	1 146	2 024
Willesden Green	Belly River	1 574	125	78	75	197	123	118	438
	Cardium	3 423	82	68	110	280	234	377	891
	Viking	344	218	125	195	75	43	67	185
	Mannville	6 607	138	77	168	909	510	1 107	2 526
	Jurassic	1 150	152	83	167	175	96	192	463
	Mississippian	435	101	60	97	44	26	42	112
	Subtotal					1 680	1 032	1 903	4 615
Wilson Creek	Belly River	562	160	100	141	90	56	79	225
	Mannville	806	109	63	153	88	51	123	262
	Jurassic	182	60	38	38	11	7	7	25
	Mississippian	2 830	77	45	102	219	128	290	637
	Subtotal					408	242	499	1 149

TABLE 6-1 (continued)

	1	2	3	4	5	6	7	8	9
Field	Zone	Remaining Reserves of Marketable Gas	Liquid Recovery Ratio			Remaining Established Reserves of Natural Gas Liquids			
			Propane	Butanes	Pentanes Plus	Propane	Butanes	Pentanes Plus	Total
		10 ⁶ m ³	m ³ /10 ⁶ m ³ of marketable gas			10 ³ m ³			
Wizard Lake	Mannville	558	54	29	52	30	16	29	75
	Wabamun	47	128	64	64	6	3	3	12
	Leduc	5 766	346	199	60	1 995	1 147	345	3 487
	Subtotal					2 031	1 166	377	3 574
Zama	Slave Point	1 085	7	6	53	8	7	58	73
	Sulphur Point	3 252	56	40	67	182	129	217	528
	Muskeg	39	179	103	103	7	4	4	15
	Elk Point	186	167	97	86	31	18	16	65
	Keg River	619	131	78	94	81	48	58	187
	Subtotal					309	206	353	868
Subtotal						52 962	36 507	77 021	166 490
Reserves Beyond Economic Reach						983	575	2 390	3 948
Confidential Reserves						120	76	215	411
Other Small Reserves						15 327	9 551	24 404	49 282
Subtotal						69 392	46 709	104 030	220 131
Recoverable at Reprocessing Plants						44 490	18 340	8 310	71 140
Recoverable from Solvent Floods						4 232	2 063	635	6 930
Total Reserves						118 114	67 112	112 975	298 201
						(744.0) ^b	(422.5) ^b	(711.1) ^b	(1877.6) ^b

a Includes gas cycling pool. Gas reserves calculated on an energy basis. See Table 4-2. Liquid recovery ratios are not included because of those parameters changing with time.

b Imperial equivalent in millions of barrels.

7 RESERVES OF SULPHUR

7.1 Provincial Summary

The Board estimates the remaining established reserves of elemental sulphur in the province as at 31 December 1993 to be some 95 million tonnes. The changes in sulphur reserves during the past year are as follows:

	Established Sulphur Reserves from Natural Gas	Established ^a Sulphur Reserves from Crude Bitumen	Total Established Sulphur Reserves
	10 ⁶ t	10 ⁶ t	10 ⁶ t
Remaining at 31 December 1992	84.2	15.5	99.7
Additions during 1993	2.1	0.0	2.1
Production during 1993	6.0	0.6	6.6
Remaining at 31 December 1993	80.3 (79.0) ^b	14.9 (14.7) ^b	95.2 (93.7) ^b
Cumulative net production to 31 December 1993	149.9	6.9	156.8
Initial established reserves at 31 December 1993	230.2 (226.6) ^b	21.8 (21.4) ^b	252.0 (248.0) ^b

- a Recoverable reserves of elemental sulphur under active development at Suncor and Syncrude plants.
- b Imperial equivalent in millions of long tons.
- c Additions are due to improved sulphur recovery technology at plants.

7.2 Sulphur from Natural Gas

Sulphur stockpiles had accumulated at various gas plant sites in the province until 1978. When markets became available, these stockpiles were subsequently reduced from their peak in 1978 of 20.3 million tonnes to 2.4 million tonnes in 1991. Now sustained low prices for sulphur have caused the resumption of stockpiling. Consequently, the sulphur stockpiled at year-end 1993 was 5.5 million tonnes, some 2.6 million tonnes greater than at year-end 1992.

The Board's estimates of remaining established reserves of sulphur recoverable from gas have been prepared by applying the appropriate hydrogen sulphide (H_2S) content and sulphur recovery efficiency to the remaining established reserves of raw gas in each pool. Where sulphur is currently being recovered, historical recovery efficiencies have been used. Where sulphur recovery is anticipated from gas reserves not yet being produced, the recovery efficiency has been estimated on the basis of the minimum sulphur recovery efficiency guidelines published in the Board's Informational Letter IL 88-13. The remaining established reserves of sulphur for cycling schemes were determined from a detailed assessment of each pool and, because the H_2S content in the gas changes with time, only the remaining reserves are reported.

Of the 80.3 million tonnes of remaining sulphur recoverable from gas, some 61.9 million are in currently producing pools and the remaining 18.4 million are in unconnected pools. The unconnected reserves include some 7.4 million tonnes in pools considered beyond economic reach.

The Board's reserve estimates are shown in Table 7-1. Fields containing 800 000 tonnes or more of recoverable sulphur are listed individually and those containing less are grouped under **Other Small Reserves**. The remaining reserves of sulphur have declined most notably in the Caroline and Waterton fields as a result of reserves reductions and production. Sulphur production was not offset by reserves additions in most fields and subsequently the provincial remaining reserves of sulphur have decreased significantly from 1992 levels. A summary of the provincial changes are shown in the tabulation in Section 7.1.

7.3 Sulphur from Crude Bitumen

Crude bitumen in oil sands deposits contains significant amounts of sulphur. As a result of current upgrading operations in which bitumen is converted to synthetic crude oil, an average of 90 per cent of the sulphur contained in the crude bitumen is either recovered in the form of elemental sulphur or remains in products including coke.

It is currently estimated that some 205 million tonnes of elemental sulphur will be recoverable from the 5.1 billion cubic metres of remaining established crude bitumen reserves in the surface-mineable area. These sulphur reserves were estimated by multiplying the remaining established reserves of crude bitumen by a factor of 40.5 tonnes per thousand cubic metres of crude bitumen. In 1989, this ratio was revised from previous estimates to reflect both current operations and the expected use of high conversion, hydrogen addition upgrading technologies for the future development of surface-mineable crude bitumen reserves. Hydrogen addition technology yields a higher elemental sulphur production than does an alternative carbon rejection technology, as a larger percentage of the sulphur in the bitumen remains in upgrading residues as opposed to being converted to H_2S .

7.4 Sulphur from Crude Bitumen Reserves Under Active Development

Only a portion of the surface-mineable established crude bitumen reserves is under active development at the approved Suncor and Syncrude projects. The Board has estimated the initial established reserves of elemental sulphur for the Suncor and Syncrude projects at 21.8 million tonnes, of which 6.9 million tonnes of elemental sulphur have been produced, leaving a remaining established reserve of 14.9 million tonnes. During 1993, a total of 0.6 million tonnes of elemental sulphur were produced at the Suncor and Syncrude projects. The changes in established sulphur reserves during 1993 are summarized in Section 7.1.

TABLE 7-1 Remaining Established Reserves of Sulphur
As at 31 December 1993

Field	Zone	Remaining Established Reserves of Raw Gas	H ₂ S Content ^a	Recovery Efficiency ^b	Remaining Established Reserves of Sulphur
		10 ⁶ m ³	mol/mol	percentage	10 ³ tonnes
Blackstone	Beaverhill Lake	20 039	0.107	99	2 884
	Subtotal				2 884
Brazeau River	Mississippian	8 267	0.010	95	108
	Nisku ^c	-	-	-	2 569
	Subtotal				2 677
Burnt Timber	Mississippian	4 949	0.078	97	506
	Wabamun	946	0.291	97	362
	Subtotal				868
Caroline	Mississippian	1 271	0.009	92	15
	Nisku ^d	246	0.519	100 ^e	173
	Leduc ^d	3 574	0.703	100 ^e	3 408
	Beaverhill Lake	47 901	0.368	100 ^e	23 908
	Subtotal				27 504
Coleman	Mississippian	4 605	0.279	96	1 672
	Wabamun	1 508	0.279	96	548
	Subtotal				2 220
Crossfield	Mannville	344	0.006	99	3
	Mississippian	5 496	0.006	99	45
	Wabamun	3 552	0.318	99	1 514
	Subtotal				1 562
Crossfield East	Wabamun	3 028	0.344	99	1 397
	Subtotal				1 397
Fir	Triassic	3 525	0.015	98	68
	Leduc	4 238	0.130	99	738
	Subtotal				806
Hanlan	Nisku	290	0.054	95	20
	Beaverhill Lake	19 575	0.090	99	2 378
	Subtotal				2 398
Jumping Pound West	Mississippian	26 997	0.065	97	2 307
	Subtotal				2 307

TABLE 7-1 (continued)

Field	Zone	Remaining Established Reserves of Raw Gas	H ₂ S Content ^a	Recovery Efficiency ^b	Remaining Established Reserves of Sulphur
		10 ⁶ m ³	mol/mol	percentage	10 ³ tonnes
Kaybob South	Triassic	1 407	0.009	98	16
	Nisku	3 387	0.204	98	918
	Beaverhill Lake ^c	-	-	-	1 321
	Subtotal				2 255
Limestone	Mississippian	8 014	0.044	99	468
	Wabamun	2 100	0.164	99	461
	Nisku	436	0.176	99	103
	Leduc	1 190	0.180	99	287
	Subtotal				1 319
Moose	Mississippian	2 021	0.111	99	301
	Wabamun	1 305	0.471	97	809
	Subtotal				1 110
Obed	Nisku	1 407	0.239	98	447
	Leduc	1 346	0.286	98	511
	Subtotal				958
Panther River	Mississippian	4 277	0.072	99 ^c	414
	Wabamun ^d	935	0.687	99 ^c	862
	Nisku ^d	475	0.704	99 ^c	449
	Subtotal				1 725
Pine Creek	Jurassic	2 304	0.002	99	5
	Triassic	1 281	0.005	99	8
	Mississippian	84	0.027	99	3
	Wabamun	2 108	0.286	99	809
	Leduc	274	0.247	99	91
	Subtotal				916
Ricinus	Nisku	683	0.427	96	380
	Leduc	4 603	0.292	99	1 806
	Subtotal				2 186
Ricinus West	Leduc	2 993	0.332	99	1 334
	Subtotal				1 334
Waterton	Mississippian	18 932	0.177	99	4 508
	Wabamun	2 741	0.152	96	542
	Rundle-Wabamun ^c	-	-	-	1 498
	Subtotal				6 548

TABLE 7-1 (continued)

Field	Zone	Remaining Established Reserves of Raw Gas <u>10⁶ m³</u>	H ₂ S Content ^a <u>mol/mol</u>	Recovery Efficiency ^b <u>percentage</u>	Remaining Established Reserves of Sulphur <u>10³ tonnes</u>
Wimborne	Nisku	1 459	0.152	97	292
	Leduc	3 522	0.131	97	609
	Subtotal				<u>901</u>
Subtotal					63 875
Other Small Reserves					<u>16 415</u>
Total Reserves					<u>80 290</u>
					(81 578) ^f

a Volume-weighted average.

b All recovery efficiencies are rounded to the nearest whole percentage.

c Includes gas-cycling pool. Gas reserves calculated on an energy basis. See Table 4-2. H₂S content is not included because of gas composition changing with time.

d Currently considered beyond economic reach.

e Recovery efficiencies are not rounded but consistent with report ERCB-AE 88-AA, *Sulphur Recovery Guidelines for Sour Gas Plants in Alberta*.

f Imperial equivalent in thousands of long tons.



8 ULTIMATE POTENTIAL

8.1 Conventional Crude Oil

The Board issued ERCB 94-B¹ in early 1994 which provided a forecast of Alberta oil supply from all sources for the period 1994 to 2005. The ultimate potential of crude oil and equivalent has been adjusted to 3155 million cubic metres to reflect the Board's estimate of geological prospects.

The current relationship between the initial and remaining ultimate potential of conventional crude oil is illustrated below:

	<u>10⁶ m³</u>
Initial Established	2 332
Cumulative Production	<u>1 905</u>
Remaining Established	427
Yet to Be Established	823
Ultimate Potential	<u>3 155</u>
Remaining Ultimate Potential	1 250

Net annual additions (including reassessment of existing reserves) to Alberta's initial established crude oil reserves averaged 84 million cubic metres from 1956 to 1970, and about 27 million from 1971 to 1989 (Table 8-1, column 4). Reserve additions for 1990 and 1991 were limited to an average of 6 million cubic metres per year due to reduced discoveries and downward re-evaluation of reserves in many older pools. Despite new discoveries continuing to decrease in the last two years, substantial development and re-evaluation, due in part to aggressive infill drilling and expectations of higher recoveries in many older pools, has boosted the average net additions to 33 million cubic metres per year.

Figure 8-1 graphically depicts Alberta's historical growth in booked reserves and forecast of growth to the year 2040. The Board projects that in 1994, drilling and enhanced recovery programs will add established reserves of some 48 million cubic metres.

Columns 1 to 3 of Table 8-1 subdivide the annual reserve growth into three components: new discoveries, development and re-evaluation, and enhanced recovery. The method of subdividing the reserves has varied somewhat over the years such that differences in annual additions may result from the change in method. Starting in 1981, re-evaluation of enhanced recovery schemes has been included under **Development and Re-evaluation** rather than **Enhanced Recovery**. As a result, **Enhanced Recovery** now only represents commencement or expansion of enhanced recovery schemes.

¹ Energy Resources Conservation Board 1994. *Alberta Oil Supply, 1994-2005*.
ERCB Report 94-B. Calgary, Alberta

TABLE 8-1 Summary of Initial and Remaining Established Reserves of Conventional Crude Oil
As of Each Year-end
millions of cubic metres

	1	2	3	4	5	6	7	8
Year	Initial Established					Production		Remaining Established
	New Discoveries (Initial Year)	Development and Re-evaluation	Enhanced Recovery	Net Additions	Cumulative ^a	Annual	Cumulative ^a	
1956	3.5	78.5		82.0	554.1	22.8	105.7	448.4
1957	10.8	29.1		39.9	594.0	21.7	127.4	466.6
1958	1.3	- 4.8	4.9	1.4	595.4	17.9	145.2	450.2
1959	14.3	37.2	16.0	67.5	663.0	20.5	165.7	497.2
1960	0.5	29.9	18.1	48.6	711.6	20.7	186.6	525.0
1961	1.7	31.5	24.5	57.5	769.1	25.1	211.5	557.6
1962	2.9	21.8	19.9	44.0	813.5	26.2	237.9	575.6
1963	14.6	12.6	29.2	56.6	870.0	26.8	264.6	605.4
1964	9.5	88.2	250.8	348.5	1 218.5	27.9	292.4	926.1
1965	28.6	42.6	- 2.4	68.8	1 287.3	29.2	321.6	965.7
1966	89.1	13.5	38.3	140.8	1 428.1	32.2	353.9	1 074.2
1967	57.2	15.7	22.2	95.2	1 523.3	36.6	390.4	1 132.9
1968	62.0	14.8	42.9	119.8	1 643.1	39.8	430.3	1 212.8
1969	40.5	-44.5	58.5	54.5	1 697.6	44.4	474.7	1 222.8
1970	8.4	- 7.6	36.1	36.7	1 734.3	51.7	526.5	1 207.9
1971	14.0	8.7	- 0.8	22.1	1 756.4	56.4	582.9	1 173.6
1972	10.8	- 5.6	14.8	20.0	1 776.5	67.4	650.0	1 126.0
1973	5.1	- 6.0	10.2	9.2	1 785.7	83.3	733.7	1 052.0
1974	4.3	3.3	30.8	38.5	1 824.1	79.0	812.7	1 011.5
1975	1.6	2.1	3.3	7.0	1 831.1	67.5	880.2	950.9
1976	2.5	5.9	-27.0	-18.6	1 812.5	61.0	941.2	871.3
1977	4.8	5.1	9.2	19.1	1 831.6	60.4	1 001.6	830.0
1978	24.9	- 1.9	1.4	24.4	1 856.6	60.0	1 061.6	794.5
1979	19.2	10.3	4.8	34.3	1 890.3	68.5	1 130.1	760.2
1980	9.0	5.2	8.6	22.8	1 913.2	63.2	1 193.3	719.9
1981	15.0	10.4	7.2	32.6	1 945.8	56.5	1 249.8	696.0
1982	16.8	-16.5	6.6	6.9	1 952.7	53.6	1 303.4	649.4
1983	21.4	24.8	17.9	64.1	2 016.8	55.6	1 359.0	657.8
1984	29.1	-11.2	24.1	42.0	2 058.8	59.2	1 418.2	640.7
1985	32.7	9.7	21.6	64.0	2 122.8	56.2	1 474.5	648.5
1986	28.6	-14.1	24.6	39.1	2 162.0	53.2	1 527.7	634.7
1987	20.9	1.6	10.5	33.0	2 195.0	53.9	1 581.6	613.8
1988	17.7	2.5	16.5	36.7	2 231.7	57.2	1 638.8	592.9
1989	17.0	- 3.4	7.8	21.4	2 253.1	53.8	1 692.6	560.5
1990	12.8	-18.2	8.4	3.0	2 256.1	53.1	1 745.7	510.4
1991	10.2	- 9.9	9.1	9.4	2 265.6	51.4	1 797.1	468.5
1992	9.0	15.3	2.8	27.1	2 292.7	53.6	1 850.7	442.0
1993	7.3	24.0	7.9	39.2	2 331.9	54.4	1 905.1	426.8
					(14.7) ^b			(2.7) ^b

a Discrepancies are due to rounding. Production figures may change as the result of future amendments to production reports.

b Imperial equivalent in billions of stock-tank barrels.

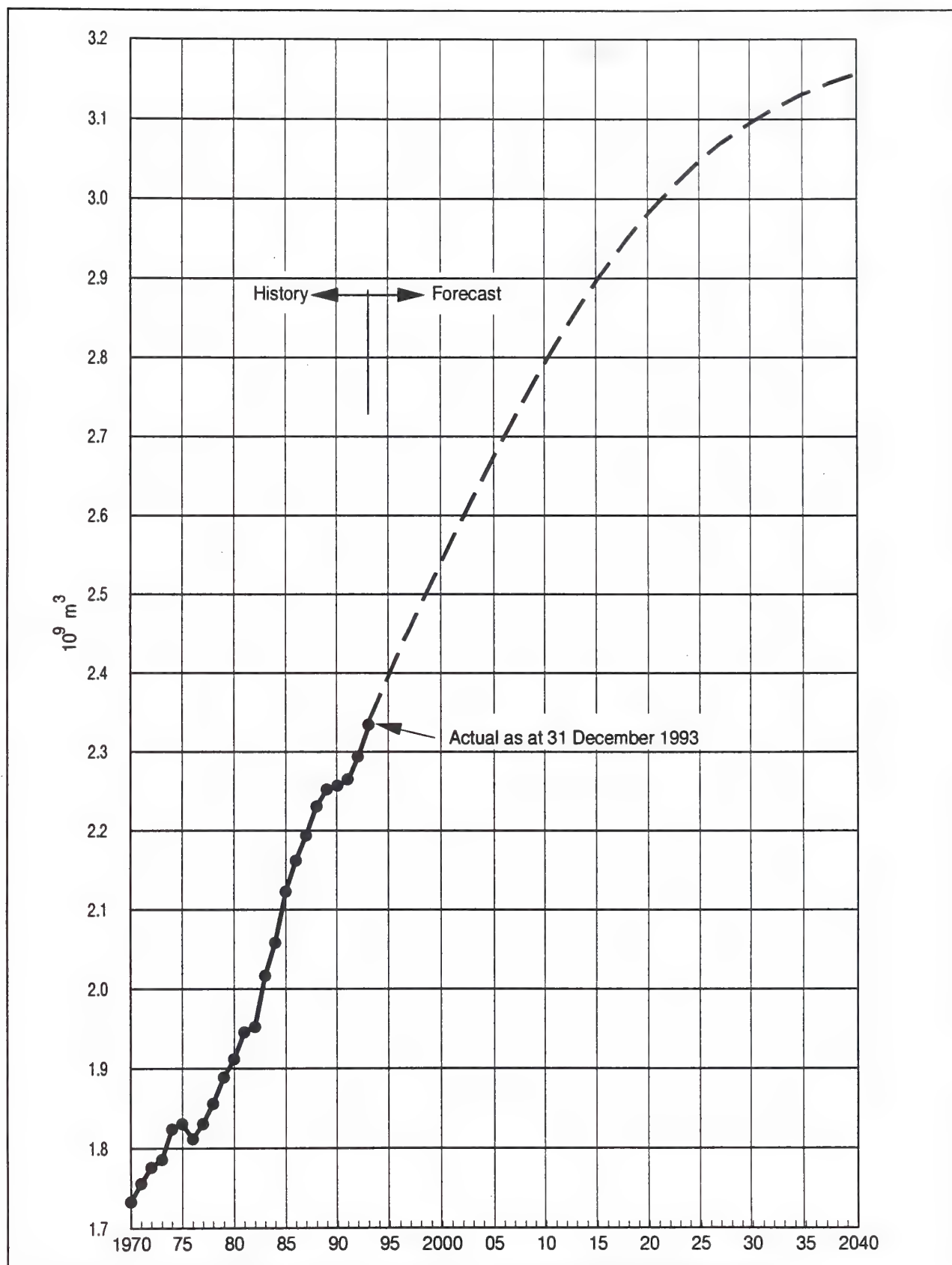


FIGURE 8-1 FORECAST GROWTH OF INITIAL ESTABLISHED RESERVES OF CONVENTIONAL CRUDE OIL

8.2 Crude Bitumen and Synthetic Crude Oil

The Board estimates the ultimate volume of crude bitumen in place to be 400 billion cubic metres, consisting of about 24 billion in deposits that may eventually be amenable to surface mining, and the remainder in deeper deposits that will require the use of in situ recovery or underground mining techniques.

Although drilling and log analyses have indicated the potential ultimate volume of crude bitumen in place to be some 400 billion cubic metres, knowledge of quality variations and those effects on recovery potential are still very limited. In addition, for some deposits, particularly carbonates, little experimentation has been carried out to establish the expected recovery factor for this type of resource. For these reasons, those portions of the in-place volumes for the Cretaceous sand and Palaeozoic carbonate deposits, which will require the use of in situ recovery methods, were broken down into established and probable categories, and different recovery factors were applied to each category in establishing the ultimate potential of crude bitumen for the in situ areas. The recovery factors selected reflect the Board's current broad knowledge respecting the quality of the in-place reserves, the amount of experimentation done to date to establish recovery techniques, and a projection of improvements in those techniques in the future.

The ultimate potential of crude bitumen from Cretaceous sediments by in situ recovery methods is estimated to be some 33 billion cubic metres and from the carbonate sediments some 6 billion cubic metres. About 10 billion cubic metres are expected from within the surface-mineable boundary and represent the initial mineable volume in place after accounting for losses in mining and extraction and quantities inaccessible in environmental buffer zone areas. For current projects, it is also assumed that tailings ponds and discard sites will either be located on non-mineable areas or will be removed from the mineable areas in order to recover underlying economic mineable ore. The total initial ultimate potential amount of crude bitumen recoverable is therefore about 49 billion cubic metres.

The yield of synthetic crude oil (including butanes and heavier liquid product) from crude bitumen will vary with the upgrading technology used. Also, it will depend upon the extent to which external energy sources such as coal and natural gas are used to satisfy fuel requirements. The Board has revised the estimates of liquid yield expected from the upgrading and now considers an average yield factor of 1.0 cubic metres per cubic metre by volume can be achieved through the use of high conversion hydrogen addition upgrading technologies. However, in terms of ultimate synthetic crude oil reserves, hydrogen requirements would be extremely large, far exceeding estimated amounts that might be available by steam reforming of natural gas. Therefore, alternative sources of hydrogen such as from partial oxidation using coal, coke, or pitch residuum would have to be considered. Also, it is assumed that coal and natural gas may supply part of the fuel needs. On these assumptions, the ultimate potential amount of synthetic crude oil recoverable is estimated at 49 billion cubic metres with 10 billion attributable to surface mining and 39 billion to the in situ areas.

The relationship between the initial and remaining ultimate potential for crude bitumen is illustrated below:

	<u>10⁶ m³</u>
Initial Established	751
Cumulative Production	<u>293</u>
Remaining Established	458
Yet to Be Established	48 249
Ultimate Potential	<u>49 000</u>
Remaining Ultimate Potential	48 707

8.3 Marketable Gas

In June 1992, the Board released ERCB Report 92-A² which presented the results of its detailed review of Alberta's ultimate potential for marketable gas. This review took into consideration three important criteria: geological prospects, technology and economics. Having regard for the uncertainties in estimating geological prospects, and predicting technological and economic change, the Board adopted an estimate of 5600 billion cubic metres as Alberta's ultimate potential for marketable gas.

The relationship between the ultimate potential for marketable gas and the portion remaining to be recovered is illustrated below:

	<u>10⁹ m³</u> <u>at 37.4 MD/m³</u>
Initial Established	3 570
Cumulative Production	<u>1 993</u>
Remaining Established	1 577
Yet to Be Established	2 030
Ultimate Potential	<u>5 600</u>
Remaining Ultimate Potential	3 607

Annual additions to established gas reserves averaged 78.6 billion cubic metres during the period 1956 to 1993 (Table 8-2, column 4). Reserve additions have fluctuated a great deal during this period because of changes in economic factors such as price, market opportunities, and drilling incentive programs, and also because of annual revisions to estimates of existing reserves.

² Energy Resources Conservation Board, 1992. **Ultimate Potential and Supply of Natural Gas in Alberta.**
ERCB Report 92-A. Calgary, Alberta

Columns 1 and 2 of Table 8-2 subdivide the annual reserves growth into two components: new discoveries, and development and re-evaluation.

For the years prior to 1978, the new discovery total includes only those reserves having initial established reserves of marketable gas equal to or greater than 300 million cubic metres.

Commencing in 1979 the new discoveries which are not booked in the year of discovery but in the following year are not accounted for under new discoveries. This effect may lead to a substantial understatement in the discoveries column and an overstatement in the development column. Occasionally, the reverse might be true where established reserves classified as new discoveries in a given year later prove to be extensions of earlier discoveries and the pools are coalesced.

In view of the above, the distribution of reserves between new discoveries and development should be used with caution.

The forecast growth in initial established reserves shown in Figure 8-2 reflects the Board's estimate of ultimate potential of 5600 billion cubic metres. The Board anticipates that the growth rate will increase to about 90 billion cubic metres per year by the turn of the century and then gradually decline as opportunities for new discoveries diminish. While fluctuations in reserves growth during the forecast period will undoubtedly occur, the Board believes its forecast represents a reasonable scenario for use in forecasting and policy formation.

TABLE 8-2 Summary of Initial and Remaining Established Reserves of Marketable Gas
 As of Each Year-end
 billions of cubic metres

Year	1	2	3	4	5	6	7	8
	Initial Established		Net Additions	Cumulative ^a	Production		Remaining Established ^a	
	New Discoveries (Initial Year)	Development and Re-evaluation			Annual	Cumulative ^a	Actual ^a	37.4 MD/m ³
1956	*	*	64.5	552.2	3.2	32.0	520.1	*
1957	*	*	64.9	617.1	3.8	35.8	581.7	*
1958	*	*	110.4	727.5	5.3	41.1	686.4	721.2
1959	*	*	88.5	816.0	7.1	48.2	767.8	809.8
1960	18.2	101.7	119.9	935.9	9.1	57.4	878.6	926.8
1961	9.6	3.7	13.3	949.2	11.9	69.3	879.9	930.5
1962	8.7	41.0	49.7	998.8	17.6	86.9	912.1	964.2
1963	3.1	32.7	35.8	1 034.7	19.6	106.5	928.2	980.0
1964	7.2	78.7	85.9	1 120.6	22.1	128.6	992.0	1 052.6
1965	11.3	78.4	89.7	1 210.4	24.2	152.8	1 057.6	1 129.6
1966	2.1	38.6	40.7	1 251.0	25.5	178.3	1 072.6	1 142.5
1967	24.3	49.6	73.9	1 324.9	27.5	205.8	1 119.1	1 189.6
1968	15.3	119.3	134.6	1 459.5	30.0	235.8	1 223.6	1 289.0
1969	18.6	68.9	87.5	1 547.0	37.8	273.6	1 273.4	1 342.6
1970	7.6	38.7	46.2	1 593.2	40.1	313.8	1 279.4	1 352.0
1971	4.8	40.6	45.4	1 638.6	48.5	362.3	1 276.3	1 346.9
1972	12.5	32.8	45.2	1 683.9	52.4	414.7	1 269.1	1 337.6
1973	7.8	175.6	183.4	1 867.2	56.0	470.7	1 396.6	1 464.5
1974	8.6	138.4	147.0	2 014.3	57.0	527.8	1 486.5	1 550.2
1975	0.8	20.0	20.8	2 035.1	56.6	584.3	1 450.8	1 512.8
1976	6.9	98.7	105.6	2 140.7	54.6	639.0	1 501.7	1 563.9
1977	6.6	120.9	127.6	2 268.2	61.0	700.0	1 568.3	1 630.3
1978	24.4	138.9	163.3	2 431.6	66.4	766.3	1 665.2	1 730.9
1979	16.4	106.8	123.2	2 554.7	70.0	836.4	1 718.4	1 783.1
1980	30.0	62.5	92.4 ^a	2 647.1	63.9	900.2	1 747.0	1 812.1
1981	28.9	88.1	117.0	2 764.1	68.6	968.8	1 795.3	1 864.8
1982	10.6	108.1	118.7	2 882.8	60.9	1 029.7	1 853.1	1 924.6
1983	16.3	22.7	39.0	2 921.8	66.0	1 095.6	1 826.2	1 898.7
1984	9.6	30.9	40.5	2 962.3	68.3	1 163.9	1 798.4	1 872.2
1985	11.5	31.1	42.6	3 004.9	72.8	1 236.7	1 768.3	1 840.0
1986	9.2	12.6	21.8	3 026.7	69.9	1 306.6	1 720.1	1 790.3
1987	8.9	- 8.9	0.0	3 026.7	68.4	1 375.0	1 651.7	1 713.7
1988	13.9	50.7	64.6	3 091.3	88.6	1 463.5	1 627.7	1 673.7
1989	19.0	88.8	107.8	3 199.0	85.8	1 549.3	1 648.7	1 698.2
1990	28.0	59.8	87.8	3 286.8	90.1	1 639.4	1 647.4	1 694.2
1991	16.3	41.3	57.6	3 344.4	78.8 ^c	1 718.2	1 626.2	1 669.7
1992	10.6	61.8	72.5 ^a	3 416.9	104.0	1 822.1	1 594.7	1 637.6
1993	11.3	47.3	58.6	3 475.5 (123.4) ^b	118.4	1 940.5	1 534.9 (54.5) ^b	1 573.7 (55.9) ^b

a Discrepancies are due to rounding.

b Imperial equivalent in trillions of cubic feet.

c Includes a solvent flood correction of - 9.6 billion cubic metres.

* Not available.

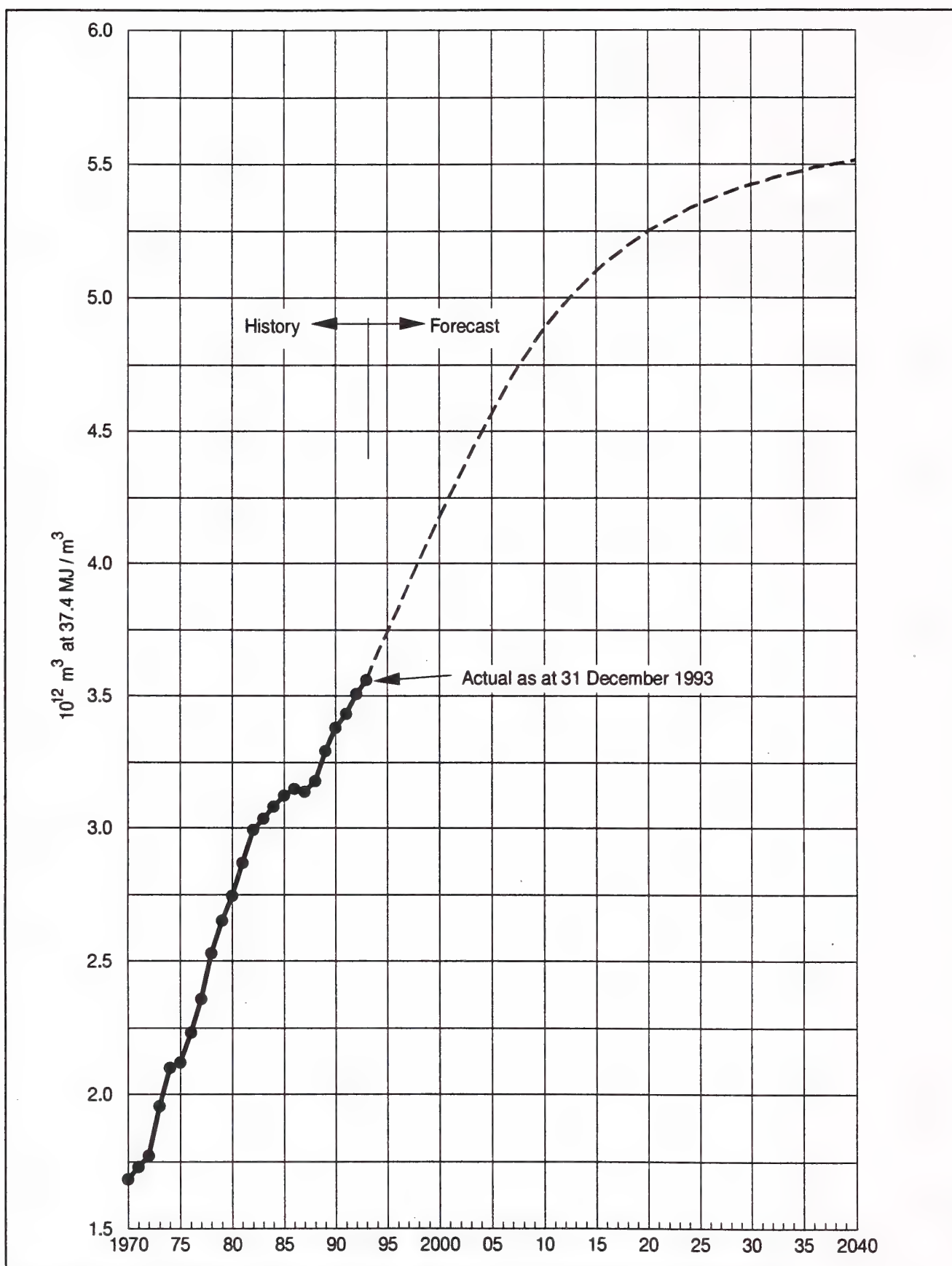


FIGURE 8-2 FORECAST GROWTH OF INITIAL ESTABLISHED RESERVES OF MARKETABLE GAS

8.4 Ethane

In 1988 the Board adopted a new methodology for use in determining the co-product (ethane, natural gas liquids, and sulphur) content of future gas discoveries. The province is divided into areas which are geologically similar and within which the gas reserves established to date are a significant portion of those likely to be found in future. The co-product content of the gas found to date is calculated for each area and it is assumed that future discoveries in each of the areas will have co-product contents similar to the established reserves. In this manner the average co-product content of all future gas reserves is calculated.

The Board estimates that the ethane content of marketable gas yet to be established will be 190 cubic metres of ethane liquid per million cubic metres of marketable gas. The Board's estimate of ultimate potential of ethane was derived in 1992 by applying this ethane-to-gas ratio to its 1992 estimate of marketable gas yet to be established and adding the 1992 initial established reserves of ethane. This figure was then rounded to the nearest ten million cubic metres and set as the new ultimate potential for ethane.

The reserves, production, and ultimate potential for the ethane contained in marketable gas are shown below:

	<u>10⁶ m³ (liquid)</u>
Initial Established	648.9
Cumulative Production	<u>344.9</u>
Remaining Established	304.0
Yet to Be Established	381.1
Ultimate Potential	<u>1 030.0</u>
Remaining Ultimate Potential	685.1

The Board estimates that at least 65 per cent of the ethane contained in the remaining ultimate potential of marketable gas could be practically and economically recovered.

8.5 Natural Gas Liquids

Utilizing the methodology described in Section 8.4, the Board estimates that the propane, butanes, and pentanes plus contents of marketable gas yet to be established will be 75, 45, and 85 cubic metres (liquid) per million cubic metres of marketable gas, respectively. The Board's estimate of ultimate potential for natural gas liquids was derived in 1992 by applying these liquid-to-gas ratios to its 1992 estimate of marketable gas yet to be established and adding the 1992 initial established reserves of natural gas liquids. This figure was then rounded to the nearest ten million cubic metres and set as the new ultimate potential for natural gas liquids.

The reserves, production, and ultimate potential of natural gas liquids are shown below:

	Propane	Butanes	Pentanes Plus
	10⁶ m³ (liquid)		
Initial Established	257.8	151.6	318.6
Cumulative Production	<u>139.7</u>	<u>84.5</u>	<u>205.6</u>
Remaining Established	118.1	67.1	113.0
Yet to Be Established	152.2	98.4	181.4
Ultimate Potential	<u>410.0</u>	<u>250.0</u>	<u>500.0</u>
Remaining Ultimate Potential	270.3	165.5	294.4

8.6 Sulphur

8.6.1 Sulphur from Gas

Utilizing the methodology described in Section 8.4, the Board estimates that the sulphur content of marketable gas yet to be established will be 70 tonnes per million cubic metres of marketable gas. The Board's estimate of ultimate potential for sulphur was derived in 1992 by applying this sulphur-to-gas ratio to its 1992 estimate of marketable gas yet to be established and adding the 1992 initial established reserves of sulphur. This figure was then rounded to the nearest ten million tonnes and set as the new ultimate potential for sulphur.

In addition to the sulphur recoverable from "conventional" gas, there is also sulphur potentially recoverable from ultra-high H₂S pools. The Board's estimate of the ultimate potential for sulphur from ultra-high H₂S pools is 40 million tonnes.

The reserves, production, and ultimate potential for sulphur are shown below:

	Conventional	Ultra-high H₂S	Total
	10⁶ tonnes		
Initial Established	225.3	4.9	230.2
Cumulative Production	<u>149.9</u>	<u>0.0</u>	<u>149.9</u>
Remaining Established	75.4	4.9	80.3
Yet to Be Established	104.7	35.1	139.8
Ultimate Potential	<u>330.0</u>	<u>40.0</u>	<u>370.0</u>
Remaining Ultimate Potential	180.1	40.0	220.1

8.6.2 Sulphur from Crude Bitumen

The Board estimates the ultimate potential of sulphur in Alberta's recoverable crude bitumen to be some 2200 million tonnes at year-end in 1993. This estimate was derived by applying a recovery ratio of 45.8 tonnes of sulphur per thousand cubic metres of bitumen to the 1992 year-end ultimate potential of crude bitumen of some 49 billion cubic metres. In 1989 the recovery ratio was revised to reflect the use of high conversion hydrogen addition technologies for upgrading the crude bitumen. Such technologies result in a higher sulphur recovery than do the alternative carbon rejection technologies because more of the sulphur in the bitumen is converted to H_2S as opposed to being left in the upgrading residues. The ratio reflects the recovery expected at future plants. Some 6.9 million of the 2200 million tonnes expected have been produced to the 1993 year-end.



APPENDIX OIL, CRUDE BITUMEN, AND GAS DRILLING AND RESERVE GROWTH HISTORICAL DATA

This appendix presents historical data on the development of the oil and gas industry in Alberta and the annual additions to established reserves of crude oil, crude bitumen, and marketable gas to year-end 1993.

The text describing the data in Tables A-4 and A-5 should be considered carefully to avoid misinterpretation.

TABLE A-1

From 1956 to 1993 inclusive, 77 per cent of the development wells drilled in Alberta resulted in successful oil or gas wells compared to only 41 per cent for exploratory wells¹. A few unsuccessful development wells were completed as water disposal and service wells.

Counts of crude bitumen wells have been tabulated from 1980 onward. Two types of crude bitumen development wells are shown, **Commercial** for those in commercial projects (including the Lindbergh Area), and **Experimental** for those in recovery-test schemes. Experimental wells are included in the development category because they are drilled into known oil sands deposits. Experimental well counts are not available prior to 1980. Up to 1983, commercial crude bitumen wells appear in the table in the oil well count.

Most of the crude bitumen exploratory wells are oil sands evaluation wells which are required to be abandoned. Also included are some exploratory wells licensed to obtain crude bitumen production. Oil sands evaluation wells also do not appear in any form in the table for the period prior to 1980.

Oil development drilling was at an all time record level for 1993, being 11 per cent greater than the previous high set in 1985 and 67 per cent greater than last year. After going through a two year low, gas development drilling experienced almost a three fold increase in 1993 for its best year since 1982.

Oil exploratory drilling also increased by 50 per cent over the 1992 rate to a level 13 per cent greater than the average for the last ten years. Gas exploratory drilling more than doubled the rate from last year and was 69 per cent greater than the average for the last ten years.

Overall development and exploratory drilling almost doubled the 1992 rate and was second only to the record level established in 1980.

TABLE A-2

A somewhat better measure of exploratory and development activity is the kilometres drilled annually in each category. Since 1966, these data have been further categorized to also show the number of kilometres drilled for successful oil and gas wells. The information in Table A-2 is thus closely related to that in Table A-1.

¹ For the purposes of Tables A-1 and A-2, exploratory wells include deep pool tests, new pool wildcats, and new field wildcats. Outpost wells have been included in the development well totals.

**TABLE A-1 Development and Exploratory Wells
number drilled annually, 1956–1993**

	1	2	3	4	5
Year	Development				Total ^a
	Successful				
	Oil	Crude Bitumen		Gas	
		Commercial	Experimental		
1956	1 317	**	*	79	1 514
1957	818	**	*	73	1 020
1958	924	**	*	164	1 315
1959	834	**	*	164	1 170
1960	944	**	*	184	1 363
1961	741	**	*	231	1 188
1962	653	**	*	190	1 113
1963	803	**	*	186	1 255
1964	796	**	*	173	1 281
1965	843	**	*	155	1 366
1966	552	**	*	188	1 003
1967	506	**	*	190	953
1968	387	**	*	257	970
1969	324	**	*	311	901
1970	246	**	*	425	884
1971	269	**	*	489	1 085
1972	454	**	*	738	1 618
1973	480	**	*	961	1 970
1974	566	**	*	1 284	2 241
1975	597	**	*	1 443	2 408
1976	444	**	*	2 096	2 959
1977	530	**	*	1 941	2 813
1978	726	**	*	2 134	3 269
1979	984	**	*	2 352	3 892
1980	1 296	**	139	2 855	4 888
1981	1 107	**	173	2 173	4 006
1982	1 246	**	234	1 901	3 862
1983	1 907	**	268	836	3 457
1984	1 983	438	365	994	4 496
1985	2 343	980	270	1 694	6 288
1986	1 465	194	93	804	3 298
1987	1 865	377	144	712	3 865
1988	1 950	660	60	1 105	4 812
1989	995	38	28	823	2 451
1990	944	69	43	1 005	2 655
1991	1 168	91	19	789	2 711
1992	1 566	101	7	463	2 744
1993	2 608	290	17	1 804	5 595

^a Includes unsuccessful, service, and suspended wells.

^b Includes oil sands evaluation wells and exploratory wells licensed to obtain crude bitumen production.

* Not available.

** Included in Oil.

6	7	8	9	10	11	12	13
Exploratory				Total			
Successful			Total*	Successful			Total*
Oil	Crude ^b Bitumen	Gas		Oil	Crude Bitumen	Gas	
51	*	59	384	1 368	*	138	1 898
56	*	52	428	874	*	125	1 448
35	*	63	404	959	*	227	1 719
43	*	78	432	877	*	242	1 602
41	*	92	403	985	*	276	1 766
42	*	113	423	783	*	344	1 611
35	*	82	484	688	*	272	1 597
65	*	89	502	868	*	275	1 757
65	*	90	570	861	*	263	1 851
76	*	85	705	919	*	240	2 071
62	*	69	634	614	*	257	1 637
135	*	84	693	641	*	274	1 646
162	*	130	936	549	*	387	1 906
138	*	122	972	462	*	433	1 873
55	*	183	963	301	*	608	1 847
93	*	202	940	362	*	691	2 025
55	*	252	1 058	509	*	990	2 676
101	*	413	1 543	581	*	1 374	3 513
69	*	384	1 248	635	*	1 668	3 489
67	*	428	1 238	664	*	1 871	3 646
108	*	1 005	2 082	552	*	3 101	5 041
172	*	1 011	2 317	702	*	2 952	5 130
218	*	956	2 304	944	*	3 090	5 573
266	*	825	1 888	1 250	*	3 177	5 780
310	354	1 040	2 653	1 606	*	3 895	7 541
318	857	883	2 865	1 425	*	3 056	6 871
317	221	510	1 719	1 563	*	2 411	5 581
335	68	255	1 245	2 242	*	1 091	4 702
407	126	278	1 661	2 390	929	1 272	6 157
436	588	238	2 175	2 779	1 838	1 932	8 463
271	168	167	1 199	1 736	455	971	4 497
300	105	217	1 305	2 165	626	929	5 170
322	277	374	1 793	2 272	997	1 479	6 605
247	245	437	1 678	1 242	311	1 260	4 129
258	122	541	1 643	1 202	234	1 546	4 298
206	51	320	1 182	1 374	161	1 109	3 893
227	13	258	1 053	1 793	121	721	3 797
340	3	522	1 662	2 948	310	2 326	7 257

TABLE A-2 Development and Exploratory Wells
kilometres drilled annually, 1956–1993

	1	2	3	4	5
Year	Development				Total ^a
	Successful				
	Oil	Crude Bitumen		Gas	
		Commercial	Experimental		
1956	*	**	*	*	2 411
1957	*	**	*	*	1 553
1958	*	**	*	*	1 842
1959	*	**	*	*	1 969
1960	*	**	*	*	2 426
1961	*	**	*	*	2 385
1962	*	**	*	*	2 032
1963	*	**	*	*	2 266
1964	*	**	*	*	2 235
1965	*	**	*	*	2 142
1966	921	**	*	79	1 567
1967	748	**	*	219	1 420
1968	539	**	*	391	1 360
1969	464	**	*	408	1 254
1970	347	**	*	448	1 107
1971	352	**	*	406	1 219
1972	636	**	*	547	1 669
1973	692	**	*	800	2 204
1974	749	**	*	907	2 237
1975	714	**	*	1 159	2 340
1976	593	**	*	1 173	2 983
1977	720	**	*	1 624	2 961
1978	995	**	*	1 691	3 408
1979	1 452	**	*	1 936	4 141
1980	1 839	**	80	2 557	5 309
1981	1 401	**	85	1 934	4 169
1982	1 804	**	103	1 521	4 116
1983	2 482	**	112	896	4 248
1984	2 935	257	203	999	5 603
1985	3 302	579	155	1 443	7 353
1986	2 200	117	47	850	4 550
1987	2 627	209	80	883	5 252
1988	2 555	376	38	1 249	6 081
1989	1 259	24	17	851	3 339
1990	1 259	46	32	1 032	3 660
1991	1 468	62	12	805	3 497
1992	1 953	65	7	478	3 532
1993	3 244	193	16	1 704	6 788

a Includes unsuccessful, service, and suspended wells.

b Includes oil sands evaluation wells and exploratory wells licensed to obtain crude bitumen production.

c Discrepancies are due to rounding.

* Not available.

** Included in Oil.

6	7	8	9	10	11	12	13
Exploratory				Total			
Successful			Total*	Successful			Total*
Oil	Crude ^b Bitumen	Gas		Oil	Crude Bitumen	Gas	
*	*	*	665	*	*	*	3 077
*	*	*	724	*	*	*	2 278
*	*	*	712	*	*	*	2 554
*	*	*	725	*	*	*	2 694
*	*	*	737	*	*	*	3 163
*	*	*	724	*	*	*	3 109
*	*	*	744	*	*	*	2 776
*	*	*	723	*	*	*	2 989
*	*	*	917	*	*	*	3 152
*	*	*	1 038	*	*	*	3 180
95	*	107	958	1 016	*	84	2 526
208	*	95	996	957	*	314	2 416
244	*	198	1 386	783	*	589	2 746
206	*	164	1 410	670	*	572	2 667
83	*	208	1 295	431	*	656	2 402
126	*	218	1 227	477	*	624	2 446
83	*	280	1 402	719	*	828	3 071
112	*	404	1 650	805	*	1 204	3 854
92	*	410	1 419	841	*	1 318	3 655
87	*	423	1 309	801	*	1 582	3 649
139	*	846	1 892	732	*	2 619	4 875
178	*	1 016	2 288	897	*	2 640	5 250
300	*	1 219	2 718	1 295	*	2 910	6 126
450	*	1 256	2 771	1 902	*	3 192	6 912
494	71	1 550	3 261	2 333	151	4 107	8 570
473	124	1 202	2 810	1 874	209	3 136	6 979
493	27	603	1 920	2 297	130	2 124	6 036
472	11	338	1 528	2 954	123	1 234	5 776
511	19	362	1 846	3 446	479	1 361	7 449
584	96	300	1 975	3 886	829 ^c	1 743	9 328
341	39	209	1 286	2 541	203	1 059	5 836
382	16	277	1 476	3 010 ^c	305	1 160	6 728
373	65	414	1 797	2 928	479	1 663	7 877
300	32	482	1 623	1 558	74	1 332	4 963
269	18	523	1 507	1 528	96	1 555	5 167
195	14	340	1 200	1 663	88	1 145	4 697
257	4	274	1 095	2 210	75	753	4 627
368	2	461	1 637	3 612	210	2 165	8 425

TABLE A-3

In Table A-3, a completion event is counted as a well. Therefore, because some wellbores have more than one completion event, this table does not represent the actual number of wellbores in existence in each category listed.

Table A-3 shows the growth in the number of oil and gas wells operated. It excludes wells formerly capable but now abandoned.

Although the capped wells shown in column 5 have not been completed, many could be capable of production on short notice. In most cases, wells are capped until gathering or processing facilities are completed or the economics of production and marketing improves.

TABLE A-4 AND TABLE A-5

The data shown on these two tables in past reports are now incorporated into Table 8-1 and Table 8-2, respectively.

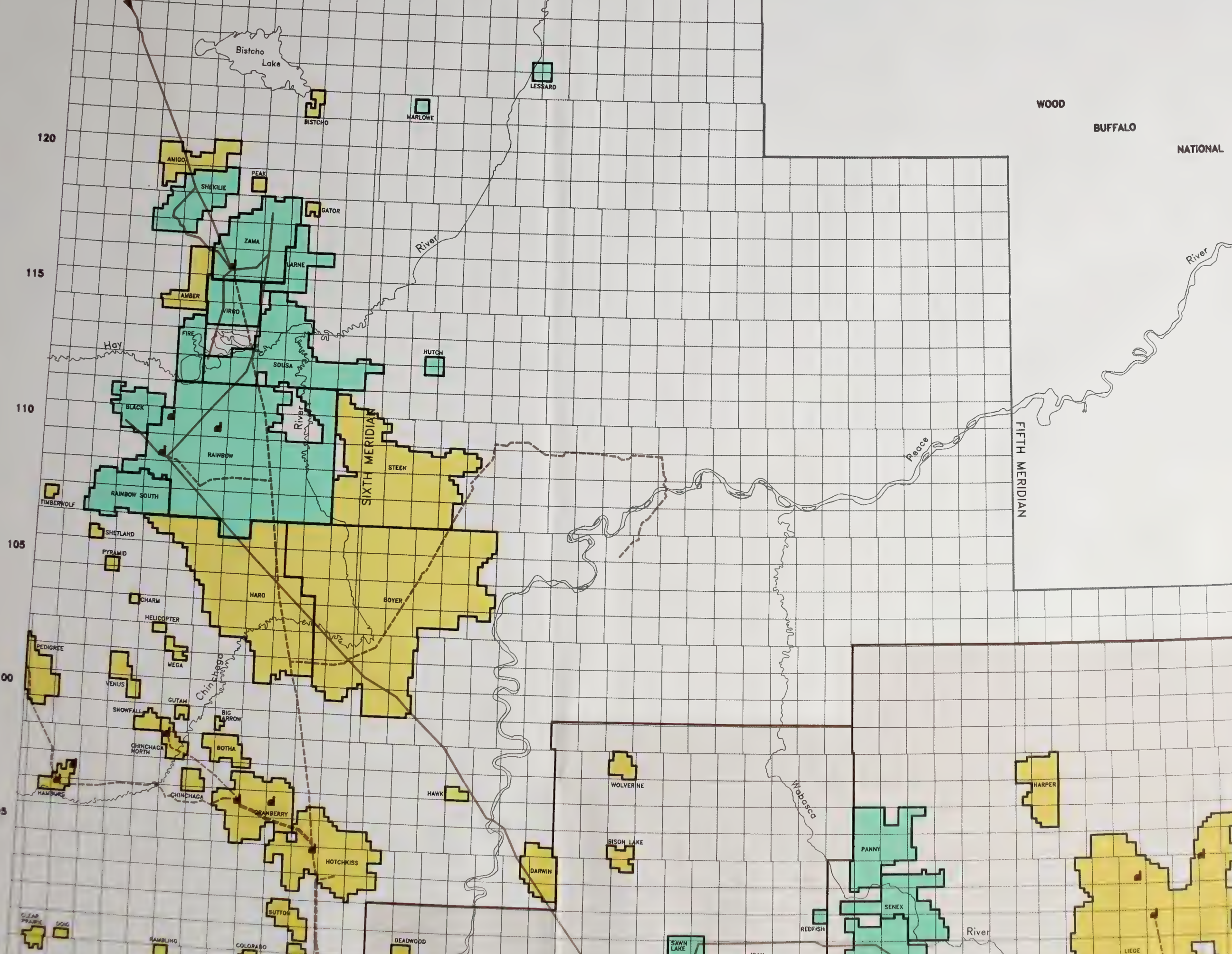
TABLE A-3 **Completed and Capped Wells**
cumulative totals, 1956-1993

Year	Oil Wells Completed		Gas Wells Completed		Capped Gas Wells ^c
	Capable ^a	Operated ^b	Capable ^a	Operated ^b	
1956	7 390	6 743	523	368	713
1957	8 016	7 136	585	422	766
1958	8 536	7 811	705	575	871
1959	9 217	8 281	830	681	981
1960	9 878	8 633	950	758	1 127
1961	10 529	8 938	1 088	894	1 314
1962	10 809	9 183	1 257	995	1 388
1963	11 437	9 217	1 437	1 213	1 466
1964	12 114	9 613	1 628	1 372	1 497
1965	12 771	8 736	1 800	1 502	1 515
1966	13 162	8 886	1 921	1 527	1 586
1967	13 473	9 116	2 065	1 647	1 666
1968	13 733	9 114	2 356	1 924	1 594
1969	13 897	9 381	2 692	2 194	1 601
1970	13 971	9 383	3 010	2 490	1 684
1971	14 065	9 467	3 426	2 830	1 801
1972	14 168	9 689	3 985	3 318	2 063
1973	14 368	10 028	4 536	3 769	2 551
1974	14 819	10 395	5 344	4 508	3 469
1975	15 177	10 708	6 670	5 704	3 935
1976	15 663	11 166	9 010	7 753	4 864
1977	16 224	11 592	12 529	10 806	6 023
1978	16 871	12 151	14 897	12 785	6 686
1979	17 673	12 805	17 173	14 760	8 268
1980	18 833	13 312	19 546	16 661	10 094
1981	20 072	14 243	22 611	18 797	11 593
1982	21 345	15 259	25 400	20 611	10 991
1983	23 182	16 694	27 125	21 881	10 835
1984	25 320	18 406	29 037	22 839	10 793
1985	27 830	19 957	30 255	24 424	10 957
1986	30 020	20 175	32 619	24 648	11 201
1987	31 929	22 347	33 570	25 453	11 292
1988	34 048	22 893	34 235	27 167	11 447
1989	36 890	24 139	35 431	27 051	11 551
1990	37 392	24 726	36 517	27 291	11 844
1991	38 143	24 676	37 232	27 998	11 476
1992	39 386	25 559	37 826	30 074	10 775
1993	41 496	27 170	39 472	31 362	10 232

- a Includes wells which had been placed on production and were either operated, suspended, or shut in during December of each year, including crude bitumen wells, but excludes events used for injection.
- b The number of events produced during December of each year.
- c The number of events drilled and never placed on production and reported by the operator as capped as of 31 December of each year.

NORTHWEST TERRITORIES

12 11 10 9 8 7 6 5 4 3 2 1 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 23 22 21 20 19 18 17 16 15



WOOD

BUFFALO

NATIONAL

FIFTH MERIDIAN

SIXTH MERIDIAN

BRITISH COLUMBIA

ALBERTA

N O R T H W E S T T E R R I T O R I E S

19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2



WOOD

BUFFALO

NATIONAL

PARK

River

Pelce

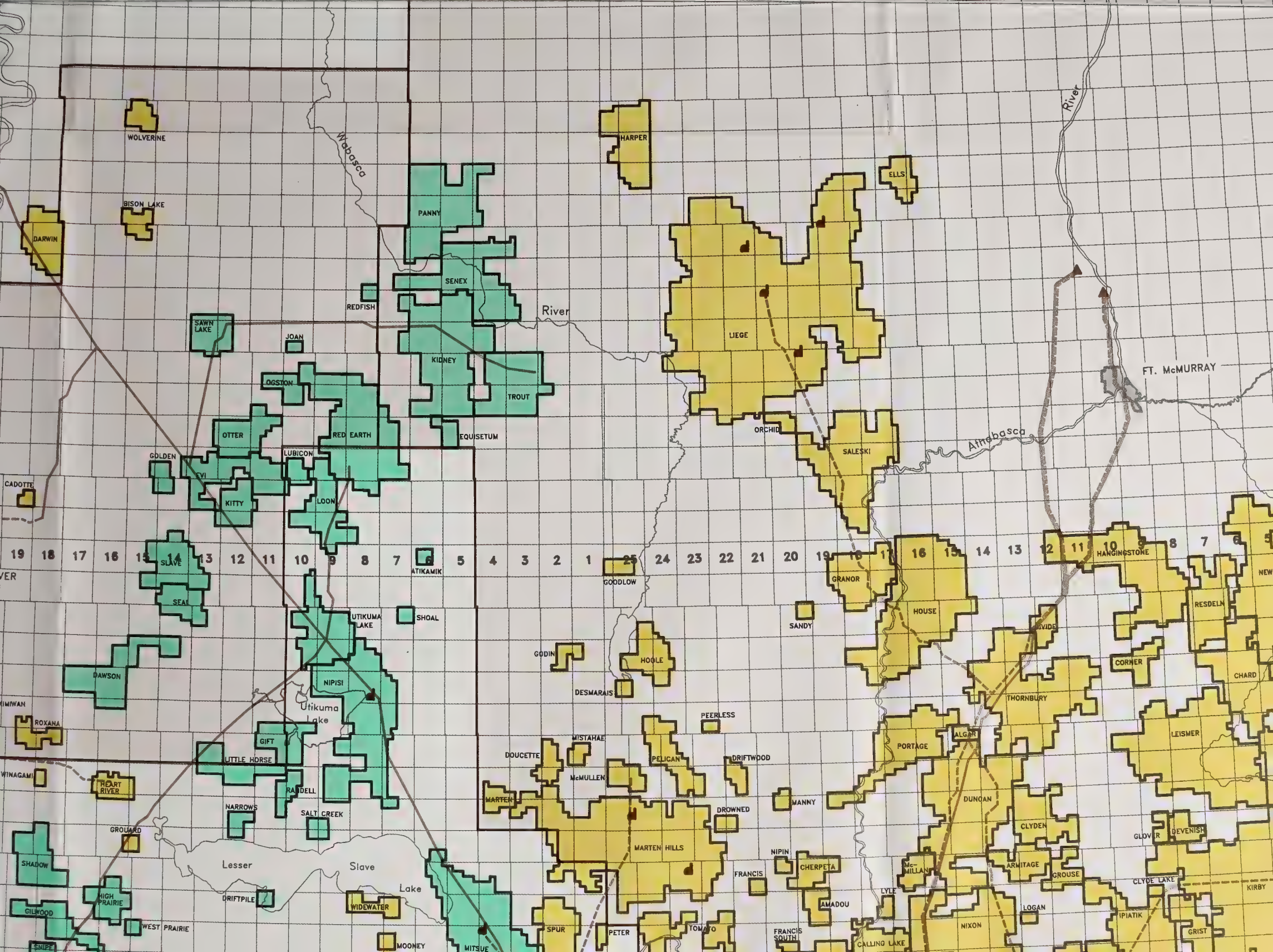
FIFTH MERIDIAN

Lake

Claire

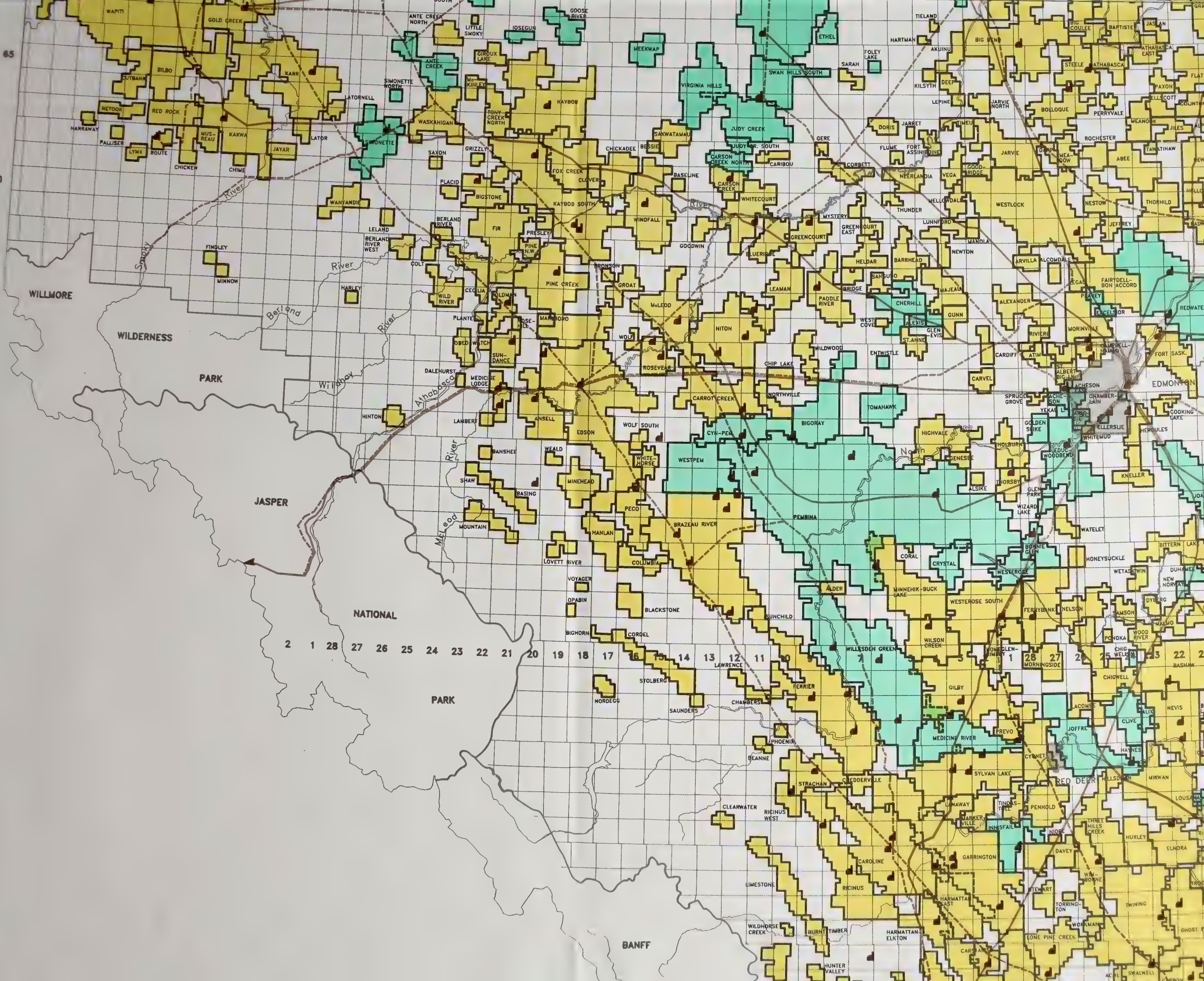
Lake
Athabasca

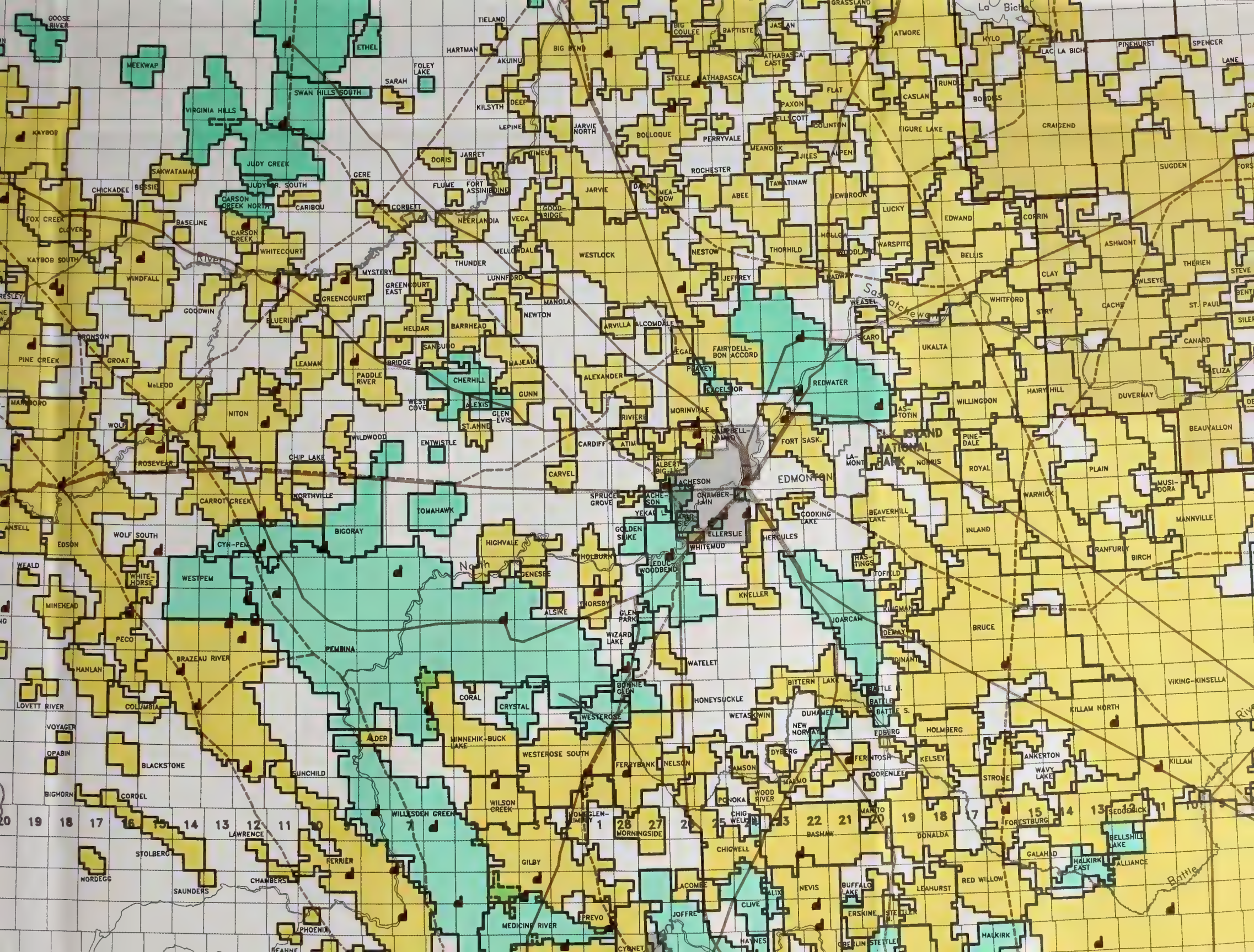




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









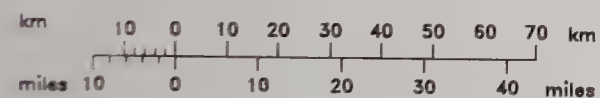




Energy Resources Conservation Board

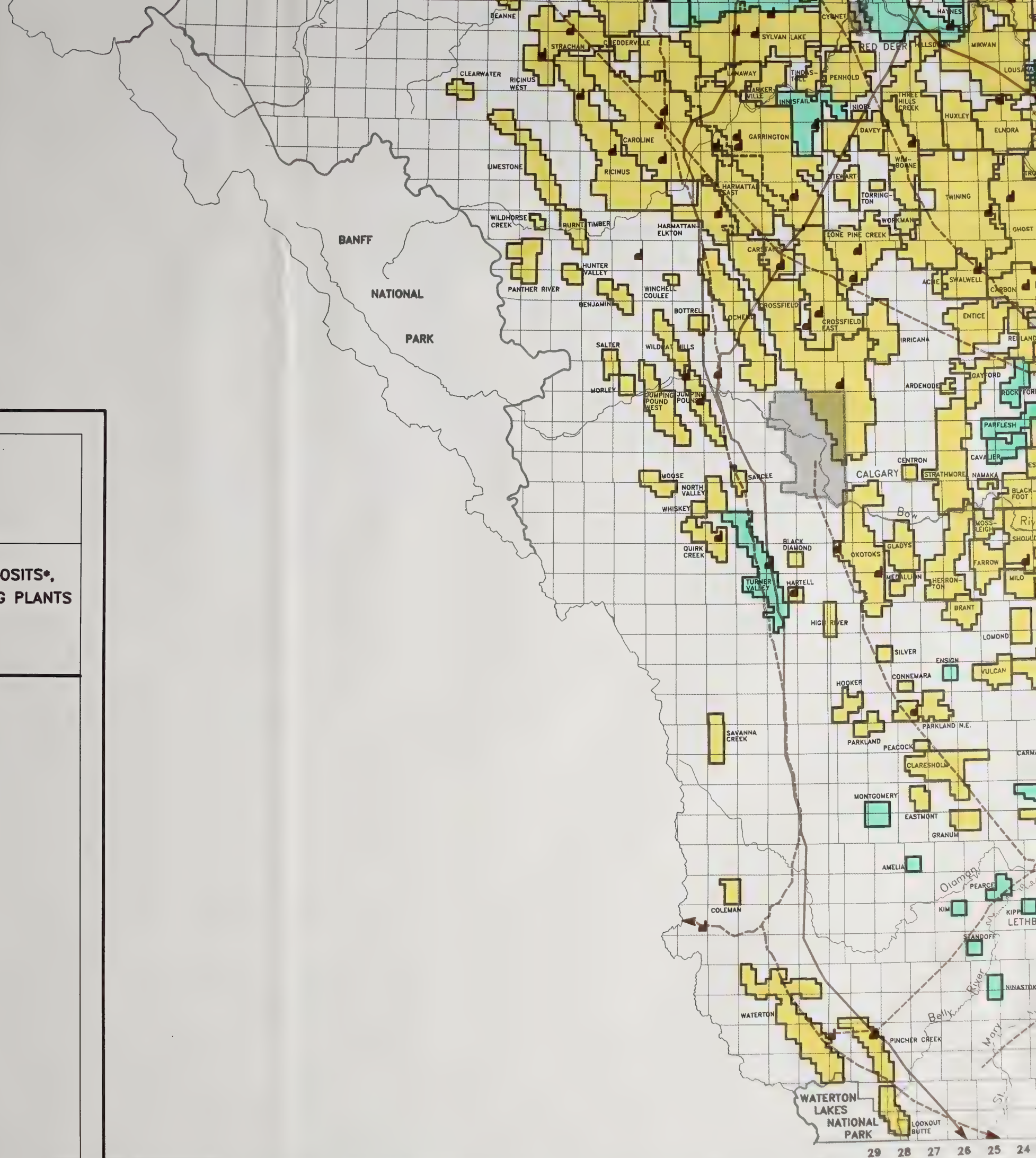
**DESIGNATED OIL AND GAS FIELDS, OIL SANDS DEPOSITS*,
MAIN PIPELINES, REFINERIES AND GAS PROCESSING PLANTS
31 DECEMBER 1993
ALBERTA, CANADA**

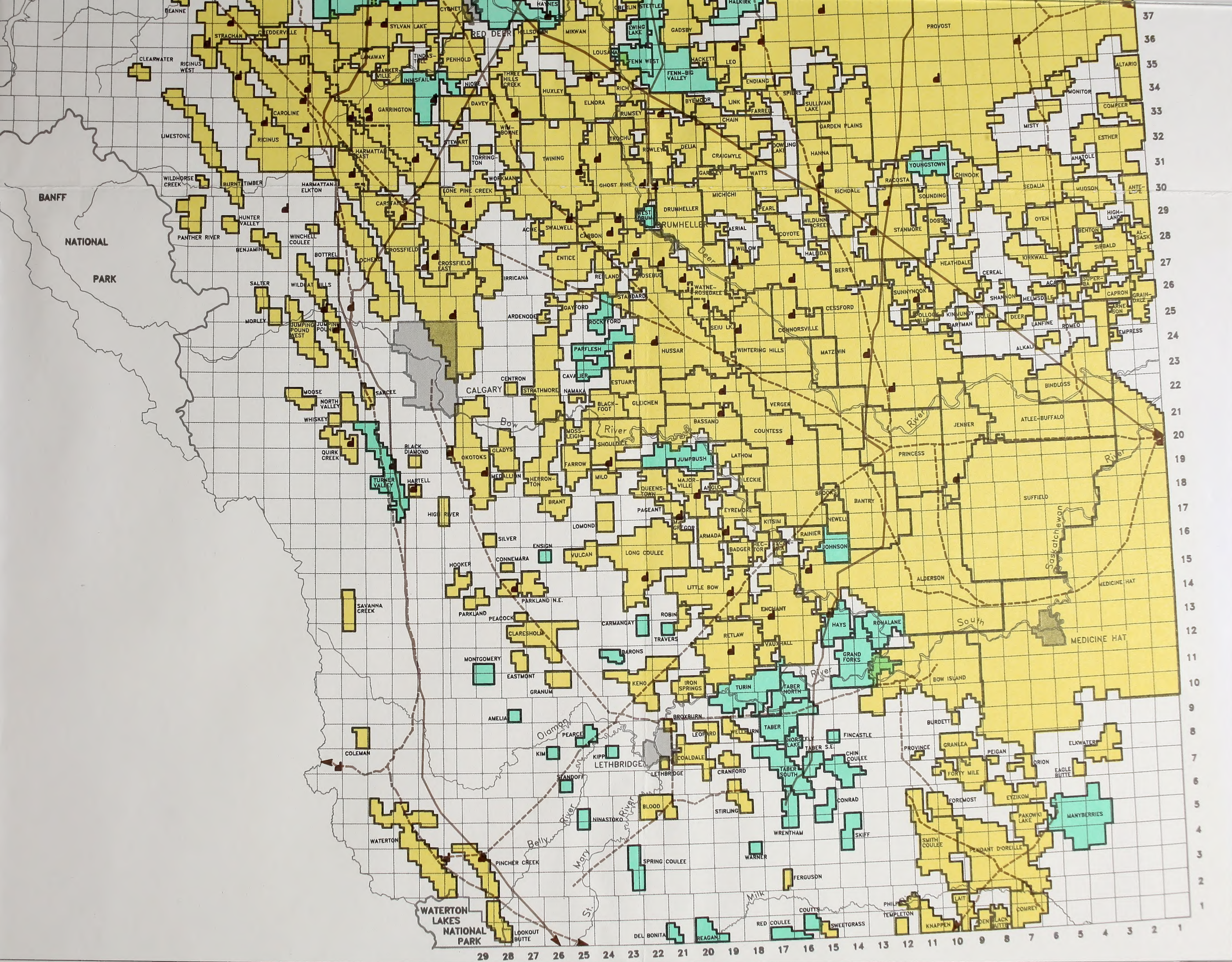
- Field — mainly oil — 
— mainly gas — 
Deposit — oil sands — 
Pipeline — oil — 
— gas — 
Oil Sands Processing Plant — 
Oil Refinery — 
Gas Processing Plant — 
(capacity in excess of 0.5 million cubic metres per day)



* The Board's estimate of the reserves of the pools in the fields and deposits are published in the ERCB ST 94-18 report.

Note: The color of a field is based on the initial energy content of the oil and gas reserves in that field.
Certain information has been deleted in congested areas.





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